# **Step 2 plus** (international version)

*2 Mate in one / Double check: A*

1) 1. ♖e8#
2) 1. ... ♖b1#
3) 1. ... ♘g3#
4) 1. ... ♗xc3#
5) 1. ♗xd5#
6) 1. d8♕#
7) 1. ♘f7#
8) 1. ♘f8#
9) 1. ♘xd6#
10) 1. ... exd4#
11) 1. ♖c7#
12) 1. ♖c4#

*3 Mate in one / Double check: B*

1) 1. ♘b4#
2) 1. ... ♖f3#
3) Drawing
4) 1. ♘d7#
5) 1. ♗g5#
6) 1. ... ♘f3#
7) 1. ♘e4#
8) 1. ... ♖xg3#
9) 1. ♘d6#
10) 1. ♗xb5#
11) 1. ... ♖c2#
12) 1. ♖e7#

*4 Mate / Bringing in the chaser: A*

1) 1. ♕d5 → 2. ♕f7#
2) 1. ♕f7 → 2. ♕g8#
3) 1. ♕h6 → 2. ♕g7#
4) 1. ♕g6 → 2. ♕h7#
5) 1. ♕d3 → 2. ♕h7#
6) 1. ... ♕g4 → 2. ... ♕xg2#
7) 1. ♕g2 → 2. ♕xg7#
8) 1. ♕h6 ♕xf6 2. ♕f8#
9) 1. d5 → 2. ♕g7# (1. ♕c5? ♘d7)
10) 1. ♖h1 → 2. ♖h8#
11) 1. ♗h3 → 2. ♗f1#
12) 1. ♘d5 → 2. ♖c7#; 1. ... exd5 2. exd5#

*5 Mate / Bringing in the helper: A*

1) 1. ... ♘h4 → 2. ... ♕g2#
2) 1. ♘f6 ♔g7 2. ♕h7#
3) 1. ♗b7 → 2. ♖a8#
4) 1. ♖a1 → 2. ♕a8#
5) 1. ♗h6 → 2. ♕g7#; 1. ... ♘f5 2. ♕xd8+
6) 1. ♘g5 → 2. ♕xh7#
7) 1. ... f3 → 2. ... ♕g2#; 2. ♖g1 ♕h4#
8) 1. ♗g6 → 2. ♕h7#
9) 1. ♗c5 → 2. ♕e7#
10) 1. h3 → 2. ♗g4#; 1. ... f5 2. ♗e8# (2. ♗xf5? ♕c7+)
11) 1. ♕f7 → 2. ♕d7#
12) 1. ♖e7 → 2. ♕xg7#; 1. ... ♕xf7 2. ♖xf7#

*6 Mate / Bringing in the guard: A*

1) 1. ... ♔g3 → 2. ... ♖d1#
2) 1. ♕g7 → 2. ♖f8#
3) 1. ... b3 → 2. ... ♖a1#
4) 1. ♗g3 → 2. ♘g5#
5) 1. d6 → 2. ♕h8#; 1. ... g6 2. ♕xf7#
6) 1. ♖f1 → 2. ♕h8#
7) 1. ♗f6 → 2. ♖h8#
8) 1. ... ♘f4 → 2. ... ♕h1#
9) 1. ♔b4 → 2. ♖d6#
10) 1. f4 → 2. ♖f7#; 1. ... ♗e6 2. ♘h7#
11) 1. ♘b6 → 2. b4#
12) 1. ♖d7 → 2. ♖2d6#

*7 Cooperation (♖ ♖) #2: A*

1) 1. ♖2g4
2) 1. ♖b2 ♔d1 2. ♖f1#
3) 1. ♖h7 ♔e8 2. ♖g8#
4) 1. ♖e3 ♔g1 2. ♖e1#
5) 1. ♖c6 ♔f5 2. ♖d5#
6) 1. ♖hf2 ♔e5 2. ♖e3# (2. ♖e2#)
7) 1. ♖b5 ♔d6 2. ♖f6#
8) Drawing
9) 1. ♖h7 ♔f5 2. ♖h5#
10) 1. ♔a5 ♔h3 2. ♖h1#
11) Drawing
12) 1. ♖e7 ♔d1 2. ♖d3#

*8. Discovered check: #2*

1) 1. ♔e6 ♔f8 2. ♗f6#
2) 1. ♖g3 ♔xh2 2. ♖g1#
3) 1. ♗a4 ♔xa2 2. ♗xc2#
4) 1. h5 g6 (1. ... g5 2. hxg6#) 2. hxg6#
5) 1. ♖a4 c1♕+ (1. ... b5 2. ♘xb5#) 2. ♘c6#
6) 1. ♗d4 ♔xb4 2. ♗xb6#
7) 1. ♗e1 ♔g1 2. ♗xg3#
8) 1. ♔h2 ♔h5 2. ♔g3#
9) 1. ♔f3 ♔h5 (1. ... ♔h3 2. ♖h6#) 2. ♔g3#
10) 1. ♗c3 b4 (1. ... ♔a3 2. ♔b6# (2. ♔xb5#)) 2. ♔b6#
11) 1. ♔xe2 ♔h2 (1. ... h2 2. ♖a1#) 2. ♔f1#
12) 1. c8♗ ♔xg8 2. ♗f5#

*9 Pawn endings / Play the best move: A*

1) 1. b4
2) 1. ... h3
3) 1. f7 ♔xf7 2. ♔d5
4) 1. g3 (1. gxh3 f4)
5) 1. ♔a6
6) 1. ... ♔c5 (1. ... ♔xc4? 2. ♔b6)
7) 1. ♔f4 ♔g2 (1. ... ♔e2 2. ♔xe4) 2. ♔xg4
8) 1. ... c2 (1. ... b2? 2. h7 b1♕ 3. h8♕+ ♕b8 4. ♕h1+) 2. h7 c1♕+
9) 1. f4+ ♔xf4 2. ♔xd6
10) 1. b8♕+ (1. g8♕? g1♕+) 1. ... ♔xb8 2. f8♕+
11) 1. h3 ♔g3 2. ♔xh6 ♔xh3 3. g5
12) 1. h5 (1. f5? h5)

*10 Pawn endings / Play the best move: B*

1) 1. ... ♔b8
2) 1. b4 ♔g3 stalemate
3) 1. ... g6
4) 1. ... a5
5) 1. g5 fxg5 2. fxg5
6) 1. ... g4 2. hxg4 ♔xg4
7) 1. ♔f1
8) 1. ♔e2 or 1. ♔e1
9) 1. ... h5 2. gxh5 ♔xh5 3. ♔c4 ♔g4
10) 1. ♔f8 h2 2. g7 h1♕ 3. g8♕+
11) 1. ... ♔e5 2. ♔xb7 (2. c5 ♔d4) 2. ... ♔d4
12) 1. ♔d3 (1. cxb5 ♔xd5) 1. ... bxc4+(1. ... b4 2. ♔c2) 2. ♔xc4

*11 Opening / Best move? : A*

1) c3
   This pawn move is the best or the three. The bishop cannot move to c5 (an active place for the bishop) because d4 wins another tempo. The moves 1. ♘c3 and 1. ♗d2 are not bad.
2) ♕g3
   Playing two times with the same piece is correct when you can get a clear advantage. The queen attacks two pawns. The move 1. ♗e3 is better than 1. ♘d5.
3) ♘f6
   Developing is the best. White can reply 2. ♗e3 after a check by the queen. The queen is in the way or his own bishop. Capturing on f3 is a bad move. The pin is useful for Black.
4) ♗g7
   Black must develop. The bishop move prepares 2. ... ♘ge7. Right away the move is very bad: ♘f6#. The move 1. ... ♗g4 is a waste or time if White plays h3.
5) ♕d2
   After 1. g3 ♘f3# White is mated. Capturing on d4 is not to be considered, because after 1. ... cxd4 the knight must return to b1 (2. ♘b5 ♕a5+).
6) ♕d3

The logical place for the queen. On e3 she is in the way or the bishop on c1. On d1 the queen must be developed again.

7) ♘d4
   A fine move. The threat is ♘xc2+ and besides that the move clears square c6. After that the irritating

knight on d5 can be chased away. After 1. ... ♘f6 the move 2. ♗g5 annoys. This move is annoying after 1. ... ♗e6 as well (2. ... f6 3. ♘xf6+)

8) ♘g5
Black cannot protect f7.

9) ♘f6
Developing is correct. Capturing on d4 only supports White's development and 1. ... ♕f6 is bad on account or 2. ♘db5.

10) c3
The most natural move. Also 1. ♘xd4 is a good move. The position arises now and then, because trainers (?) recommend their pupils this trap. After 1. ♘xe5 ♕g5 2. ♘xf7 ♕xg2 3. ♖f1 ♕xe4+ 4. ♗e2 ♘f3# the point is on the scoreboard.

11) ♕e2
Wins a pawn after 1. ... ♕e7 2. ♕xe4 d6. After the popular response 1. ... ♘f6, 2. ♘c6+ decides. Nothing brings 1. ♕f3 ♘f6. The pawn move is too tame.

12) c5
Very strong because White cannot take (♕b4+). The bishop on h6 faces a well protected pawn. On d6 the bishop is better off.

*12 Opening / Play the best move: A*

1) 1. ♖xd1
2) 1. ♘c3
3) 1. ♕e2
4) 1. dxe5 ♗xf3 2. ♕xf3 dxe5 3. ♗c4
5) 1. ♗a3
6) 1. d6 ♗f8 2. ♕e2+
7) 1. ... d4 2. ♘e4? ♘xe4 and 3. ... ♗b4+
8) 1. ♘g5
9) 1. exd4 (1. ♘xd4 ♕a5+; 1. ♕xd4 ♘c6)
10) 1. e4
11) 1. ... d5
12) 1. ... e6! (1. ... ♖c8? 2. ♘f6+)

*13 Opening / Tactics: A*

1) 1. ♕b5+ (double attack: queen)
2) 1. ... ♗b4 (pin)
3) 1. ♘xf6+ (eliminating the defence: capturing + material)
4) 1. ... ♘f3+ 2. gxf3 ♕xd4 (discovered attack)
5) 1. ♗xf7+ (eliminating the defence: capturing + material)
6) 1. ♕a4+ (double attack)
7) 1. ♗h5 (pin)
8) 1. ♗xc6+ bxc6 2. ♕xd4 (eliminating the defence: capturing + material)
9) Drawing
10) 1. ♘c6 (double attack: knight)
11) 1. ... ♕h4+ (double attack: queen)
12) 1. ♗b5 (pin)

*14 Opening / Tactics: B*

1) 1. ... ♗xc3+ 2. bxc3 ♕xd5 (eliminating the defence: capturing + material)
2) 1. ♘e6+ fxe6 2. ♕xd8+ (discovered attack)
3) 1. h6 (eliminating the defence: chasing away + material)
4) 1. ... ♕b4+ (double attack: queen)
5) 1. ♗g5 (pin)
6) 1. ... ♕xd4 (eliminating the defence: capturing + material)
7) 1. e5 dxe5 2. ♗xc6 (discovered attack)
8) 1. ... ♗xd4+ (eliminating the defence: luring away + material)
9) 1. ♕h5+ (double attack: queen)
10) 1. ... ♗g5 (pin)
11) 1. ♗xf6 ♗xf6 2. ♘xd7 (eliminating the defence: capturing + material)
12) 1. c5 bxc5 2. ♗xa6 (discovered attack)

*15 Opening / Tactics: C*

1) 1. f4 (eliminating the defence: chasing away + material)
2) 1. ♕e1+ ♗e7 2. ♕xa5 (double attack: queen)
3) 1. ♖e1 (pin)
4) 1. ... ♘xf3+ 2. ♕xf3 ♕xg5 (eliminating the defence: capturing + material)
5) 1. ... ♗b4+ 2. ♕d2 ♗xd2+ (discovered attack)
6) 1. ♘h5 (1. ♘d5 ♗xg3+) 1. ... ♕xd4 2. ♗xf4 (double attack: knight)
7) 1. ♕c4 (double attack: queen)

8) 1. ... ♗f4 (pin)
9) 1. ♘h4 (eliminating the defence: chasing away + material)
10) 1. dxc5 ♕xc5 2. ♕xg4 (discovered attack)
11) 1. ♘xf6+ (eliminating the defence: capturing + material)
12) 1. ... ♕f5 (double attack: queen)

*16 Opening / Tactics: D*

1) 1. ♗h3 (pin)
2) 1. ... ♗xf3 (eliminating the defence: capturing + material)
3) 1. ... ♘xd4 2. ♘xd4 ♕xc1+ (2. ♕d1 ♘xf3+ and ♕xe5+) (discovered attack)
4) 1. ... ♗f4 (eliminating the defence: chasing away + material)
5) 1. ... ♕c5 (pin)
6) 1. ♕b3 (pin)
7) 1. ... ♘xe3 (eliminating the defence: capturing + material)
8) 1. ... ♘b6 2. ♗b3 ♕xd6 (discovered attack)
9) 1. ♘a5 (eliminating the defence: chasing away + material)
10) 1. ♕d5 (double attack: queen)
11) Drawing
12) 1. ♘c4 ♕d5 2. ♗xe7 (eliminating the defence: chasing away + material)

*17 Opening / Tactics: E*

1) 1. ♗b5+ ♘d7 2. ♕xd5 (discovered attack)
2) 1. ♗xc6+ bxc6 2. ♕xb4 (eliminating the defence: capturing + material)
3) 1. ... ♕f6 2. f3 ♕xa1 (double attack: queen)
4) 1. ♕c3 (pin)
5) 1. b4 (eliminating the defence: luring away + material)
6) 1. ♗b5+ c6 2. ♕xd5 (discovered attack)
7) 1. ♗xc6 dxc6 2. ♘xb4 (eliminating the defence: capturing + material)
8) 1. ... ♕e5 (double attack: queen)
9) 1. ... ♗a4 (pin)
10) 1. ♗xd7+ (eliminating the defence: luring away + material)
11) 1. ♗e4 ♘xe4 2. ♕d8# (discovered attack)
12) 1. ... ♗xc4 2. ♗xc4 ♘xb6 (eliminating the defence: capturing + material)

18: *Getting out or check: A*

1) 1. ♗f2+ (material gain)
2) 1. b4 and 2. ♕xh8+ (material gain)
3) 1. ... ♔f8 (1. ... ♔h6 ♖h1#)
4) 1. ♗d2 (otherwise 1. ... ♕xg5)
5) 1. ♖f1+ (material gain); After 1. ♘f1, Black can protect ♘c6 (1. ... ♖c1) or ♘f1 keep attacking (1. ... ♖abc1).
6) 1. ... c6 2. ♕xa5 ♘xc2# (mate)
7) 1. ♔h1 (1. ♔g2 ♘xe1+) (prevent material loss)
8) 1. ... ♘f7 (1. ... ♔h8? 2. ♘g6#) (prevent mate)
9) 1. ♔f2 (otherwise 1. ... ♗a6)
10) 1. ... ♔h8 (1. ... ♔f8 2. ♗xa3#) (prevent mate)
11) 1. ♖e1 (material gain, the queen has no square)
12) 1. ♕xf2 (1. ♔c1 ♖g1#) (prevent mate)

*19 Getting out or check: B*

1) 1. ... ♔f8 (1. ... ♔h8? 2. ♖xg6#)
2) 1. ... ♔f8 (1. ... ♔xf6 2. ♘e4#) 2. ♘ce4 ♘f7
3) 1. ... ♖f8 (1. ... ♖xe8? 2. ♖xe8+ ♖f8 3. ♖xf8#)
4) 1. ♗f3 (1. ♗xf1 stalemate) 1. ... ♕a1 2. ♖h5#
5) 1. ... ♔f6 (1. ... ♔f5 2. ♘e3+; 1. ... ♔f7 2. ♘e5+; 1. ... ♔xd5 2. ♘b6+; 1. ... ♔d7 2. ♘b6+/♘e5+)
6) 1. ... ♕xe5+ (otherwise 2. ♘xg4) 2. dxe5 ♗xd1
7) 1. ... ♔xd7 (1. ... ♕xd7? 2. ♕xg5)
8) 1. ♘d5 (1. ♔g1 ♖e1#; 1. ♔f1 ♕h1#) 1. ... ♕xg7 2. ♕xg7
9) 1. ♗e3 (1. ♕d4/e3 ♗c5) 1. ... ♗c5 2. ♗xc5 ♕xc5+ 3. ♕d4
10) 1. ♕e2 (1. ♗e2 ♕xc5)
11) 1. ... ♘xf6 (1. ... ♕xf6 2. ♖xh5+)
12) 1. ... ♗g4 (1. ... ♔h8 2. ♕xf8#) 2. ♖xg4+ ♔h8

*20 Getting out or check: C*

1) 1. ♘c4+ (1. ♔b1 ♕b3+ 2. ♗b2; 1. ♔b2 ♕b3#) 1. ... ♔a6 2. ♕a5#
2) 1. ♕xe6+ (1. ♔f1 ♕h1#; 1. ♔d3 ♖e3+ 2. ♔d2 ♕xc4) 1. ... ♕xe6+ 2. ♗xe6+
3) 1. ♖c3 (protects the knight)
4) 1. ♘g5 (1. ♔e2? ♗b5+ 2. ♔d1? ♕xa1#) 1. ... ♗xg5+ 2. f4
5) 1. ♘e1 (1. ♖e1 ♖d1+ 2. ♖xd1 ♖xd1+ 3. ♔a2 ♗c4#) (1. ♔a2 ♗c4#)

6) 1. ♔a1 ♖xb7 (1. ... ♔d8 2. g8♕+ ♗xg8 3. b8♕+ ♖xb8) 2. g8♕+ ♗xg8
7) 1. ♖d1 (1. ♗g1 ♕xa1; 1. ♕xc1 ♖xc1+ 2. ♗g1 ♗c5) 1. ... ♕xa1 2. ♖xa1
8) 1. ... ♕e7 (otherwise White captures on b2) 2. fxe7 ♗g7
9) 1. ♔f1 (1. ♔e2 ♕xd5; 1. axb4 ♕xd5; 1. ♘d2 ♕xd5)
10) 1. ♔f4 (1. f3 ♘xd5; 1. ♔h4 g5#; 1. ♗f3 ♘xd5)
11) 1. ... ♔h7 (1. ... ♖xd8? 2. ♖xd8+ ♔h7 3. ♖h8#)
12) 1. ... ♕xg8 (1. ... ♔xg8 2. ♖g1) 2. ♖a8 ♖c8

*21 Choose the correct capture: A*

1) 1. ... fxe6 (1. ... ♖xe6 2. ♕g7#)
2) 1. axb4 (1. ... cxb4 2. ♗xa1)
3) 1. hxg4#
4) Drawing
5) Drawing
6) 1. ... ♘xe6 (1. ... ♖xe6 2. ♕g7#)
7) 1. cxb3 (1. axb3 ♖xc2)
8) 1. ♗xd1 (1. ♖axd1 ♗xf3)
9) 1. ... ♘xf6 (1. ... ♗xf6 2. ♕h7#; 1. ... hxg5 2. ♗xe7)
10) 1. cxb3 (1. axb3 ♕c1+)
11) 1. ♖xb4 (otherwise ♖a1 is lost)
12) 1. dxc4 (otherwise the a-pawn moves on?)

*22 Defending against scholar's mate: A*

1) 1. ... dxe5
2) 1. ... ♘f6 or 1. ... ♘g5 (1. ... d5 2. ♕xf7#)
3) 1. ... d5 is better than 1. ... ♕e7)
4) 1. ... g6
5) 1. ... ♕xd5 (1. ... ♗xf2+ 2. ♔e2 ♕xd5 3. ♗xd5)
6) 1. ... ♗e6 (1. ... ♘f6 2. ♗xf7#)
7) 1. ... e6
8) 1. ... ♘f6
9) Drawing
10) 1. ... f5 (1. ... ♘e5 2. ♕f6)
11) 1. ... d5
12) 1. ... d5 2. exd5 e4

*23 Give a safe check: A*

1) Example: ♖d5-d3-h3-h2+
2) ♖a6-a1-f1-f7+
3) ♖h3-a3-a1-b1+
4) ♖a6-a1-c1-c3+
5) ♖d2-d1-c1-c4+
6) ♖g8-b8-b2-a2+
7) ♖d8-f8-f7-b7+
8) ♖g3-h3-h7-f7+
9) ♖e1-e8-b8-b5+
10) ♖h3-h4-g4-g1+
11) ♖a7-a5-c5-c8+
12) ♖b5-b8-d8-d7+

*24 Give a safe check: B*

1) ♗c1-b2-g7-f8+
2) ♗e4-g2-h3-c8+
3) ♗d1-c2-b1-a2+
4) ♗c6-d7-h3-f1+
5) ♗d5-c6-a4-c2+
6) ♗a5-b6-a7-b8+
7) ♗e7-b4-e1-f2+
8) ♗a4-d1-h5-f7+
9) ♗b6-e3-c1-b2+
10) ♗b6-g1-h2-e5+
11) ♗d8-b6-g1-h2+
12) ♗f8-g7-e5-g3+

*25 Give a safe check: C*

1) ♕g2-c2-c3+
2) ♕h2-a2-a8+
3) ♕c7-b7-a8+
4) ♕f1-f8-g8+
5) ♕c7-g3-h4+
6) ♕f1-a6-a7+
7) ♕f4-f1-d1+
8) ♕d2-a5-b5+
9) ♕b7-a7-a2+
10) ♕f6-a1-h1+
11) ♕a4-a2-h2+
12) ♕h8-a8-a1+

*26 Choose the safe way → ●: A*

1) Example: ♖g6-b6-b1-g1
2) ♖c1-c3-b3-b6
3) ♖b2-b3-g3-g8-h8
4) ♗g2-f1-a6-c8-d7
5) ♗f2-b6-d8-f6-h8
6) ♕a1-a8-h1-h2

7) ♘b3-c5-b7-d6-f7-h8
8) ♘b3-d4-b5-d6-f7-h8
9) ♘b3-d4-f3-h2-g4-h6-f7-h8
10) ♗b5-d7-g4-d1-c2-b1
11) ♘c2-e1-g2-f4-e2-c3-b5-c7-a8
12) ♔b2-c1-d1-e2-e3-f4-e5-e6-e7-f8

*27 Choose the safe way → ●: B*

1) ♔b1-a2-a3-b4-a5-b6-a7-a8
2) ♔d2-e1-f1-g2-g3-h4-g5-h6
3) ♔c1-b1-a2-a3-b4-a5-a6-a7-b8-c8-d8-e8-f7
4) ♔c1-b2-b3-c4-d4-e5-e6-f7-f8
5) ♔e8-d8-c8-b8-a7-b6-a5-b4-a3-b2-c1-d2-e1-f2-g1
6) ♔b4-c3-d2-e1-f2-g1-h2-h3-g4-f4-e5-f6
7) Drawing
8) Drawing
9) ♔g7-h6-g5-f5-e5-d6-c5-b5-a4-b3-c2-d2-e1-f1-g1
10) Drawing
11) Drawing
12) ♔g1-f2-e2-d2-c3-d4-c5-c6-d7-e6-f6-g5-h4-h3

*28 Mate planner #2: A*

1) Example
2) ♕c6 ♗g5#
3) ♗g5 ♘f6#
4) ♖e4 ♗b7#
5) ♔g2 ♕e4#
6) b3 ♕c4#
7) ♗a8 ♕b7#
8) ♖b5 ♘b2#
9) ♖g4 ♕a5#
10) ♗a5 ♕d5#
11) ♕d5 g3#
12) ♕b2 ♕b4#

*29 Mate planner #2: B*

1) ♕f8 ♕b4#
2) ♕c4 ♕e4#
3) e3 ♕a5#
4) ♗a6 ♘d3#
5) ♕e6 g4#
6) ♕b8 ♘e5#
7) ♕f8 ♕h6#
8) ♕e6 ♘h3#
9) ♔e4 ♘f4#
10) ♗h5 ♕h2#
11) g8♘ ♖g5#
12) ♘e6 ♖e1#

*30 Capture all the black pieces: A*

1) Drawing
2) ♕a2xb1xb2xg7
3) ♕c4xf7xf5xg4xh3
4) ♔f7-e7-d8-c7xc6-d5xe4
5) ♕b4xf8xf5xd3
6) ♖e7xe4xd4xd2
7) h4 hxg5 f5 fxe6 e7 e8♘ ♘xg7
8) ♔e4xe3xe2 ♖xb5
9) ♖e5xe3xe2 ♔xb5
10) ♘xb2-d3xc5xe6
11) ♗d7xg4 ♗e2xd3xg6
12) ♘f2-h1-g3-f1-h2-f3-h4-g2-f4xe6xc7xd5

*31 Creating mate (♕♘): A*

1) ♕a3 / ♞d2
2) ♕b7 / ♘c4
3) ♕h5 / ♘e7
4) ♕e1 / ♞c2 (♞d3 is an illegal position)
5) ♕c7 / ♘f4
6) ♕d6 / ♘h6
7) ♕a7 / ♘b6
8) ♕d1 / ♘e6
9) ♕e3 / ♘e7
10) ♕e6 / ♘g6
11) ♕c4 / ♘g4
12) ♕a5 / ♘d8

*32 Creating mate (♕♗): B*

1) ♕a8 / ♗c6
2) ♕h4 / ♗d5
3) ♕a7 / ♗c5
4) ♕d4 / ♗h3 Put ♔c3 on d3 and create two more mating patterns.
5) ♕e5 /♗b5
6) ♕g1 / ♗d1
7) ♕e6 / ♗b6
8) ♕g6 / ♗h6
9) ♕g4 / ♗d4
10) ♕e7 / ♗e3
11) ♕d8 / ♗d5 (♗a8 is an illegal position)
12) ♕d5 / ♗d8

*33 Creating mate (♖♘): C*

1) ♖b5 / ♘c3
2) ♖b5 / ♘a3; ♖b5 / ♘d6
3) ♖e7 / ♘e6
4) ♖c5 / ♘d3
5) ♖c6 / ♘e7
6) ♜a6 / ♞a3
7) ♖e5 / ♘f7
8) ♖d5 / ♘d2
9) ♖b5 / ♘c3
10) ♖f7 / ♘g6
11) ♖e7 / ♘a7
12) Drawing

*34 Creating mate (♗♗ / ♗♘ / ♘♘): D*

1) ♗g3 / ♗f5
2) ♗b4 / ♗d1
3) ♝f3 / ♝e3
4) ♗f5 or ♗f7 / ♗h8 (last move h8♗ or gxh8♗)
5) ♗c6 / ♘d7
6) ♗c5 / ♘c7
7) ♗c5 / ♘c7
8) ♗e5 / ♘h6
9) ♞f3 / ♞c3
10) ♞f3 / ♞g3
11) ♘h6 / ♘e6
12) ♘f4 / ♘e4

*35 Creating mate (♖ or ♗ or ♘): A*

1) ♖c2 - ♗a3 - ♘d3
2) ♖c6 - ♗b7 - ♘c7
3) ♖b2 - ♗a4 - ♘a1
4) ♖e6 - ♗b8 - ♘c4
5) ♖a6 - ♗c5 - ♘c8
6) ♖f5 - ♗g7 - ♘g4
7) ♖f5 - ♗d6 - ♘g6
8) ♖h3 - ♗e1 - ♘f5
9) ♖f5 - ♗e3 - ♘e6
10) ♖b3 - ♗e1 - ♘a2
11) ♖d5 - ♗b4 - ♘b7
12) ♖d4 - ♗f5 - ♘f2

*36 Creating mate: E*

1) ♔c5, ♕d6, ♖f4
   ♚e5
2) ♔c8, ♕d8, ♗g8
   ♚e7
3) ♔g8, ♕f8, ♘c5
   ♚e8
4) ♕c5, ♘d3, ♗f5 (♔ in workbook should be ♕)
   ♚d5, ♟d4 (or ♚d4, ♟d5)
5) ♔b2, ♕c3, ♘g5, ♘e7
   ♚d4
6) ♔c1, ♕f1, ♘c2, ♘d2
   ♚e2
7) ♔e4, ♖h6, ♘f7
   ♚g5, ♟g4
8) ♔ ♖ ♘ ♚ ♟ should be below the diagram.
   ♔g7, ♖e5, ♘g2
   ♚g5, ♟g4
9) ♗e3, ♖h6, ♔e6
   ♚g5, ♟g4
10) ♔e6, ♖c3, ♘h3
   ♚f4, ♞g4, ♝e4
11) ♔g3, ♗c2, ♗f2
   ♚e3, ♟d2, ♟e2 (? on d3 in the workbook should be on e3)
12) ♔e2, ♗c3, ♘d6
   ♚e4, ♟d5, ♟f4

*37 Forcing stalemate: A*

1) 1. ♕g8+ ♖xg8 stalemate
2) 1. ♖a5+ ♗xa5 stalemate
3) 1. ♕d8+ ♕xd8 stalemate
4) 1. ♕g3+ ♔xg3 stalemate
5) 1.♕h3+ ♔xg3 stalemate
6) 1. ... ♗c7+ 2. ♕xc7 stalemate
7) 1. a7 ♖xb7+ 2. ♔h8 ♖xa7 stalemate
8) 1. ♖g3 (1. ♖f8 e1♕+) 1. ... e1♕ stalemate
9) 1. ♗b6 ♕xb6 stalemate
10) 1. ♕c7+ ♕xc7 stalemate
11) 1. g4 ♕xc2 stalemate
12) 1. d4+ ♕xc2 stalemate

*38 Forcing stalemate: B*

1) 1. ♔f2 (1. ♕xb5 ♘d4+) 1. ... ♕xd3 stalemate
2) 1. ♘a5 ♖xa5 2. a8♕ (2. a8♖ ♖b5+ 3. ♔a2 ♔xc2) 2. ... ♖xa8 stalemate
3) 1. d6 ♗xd6+ 2. ♔h4 ♗xh2 stalemate
4) 1. ♖xc6+ ♔xc6 2. e8♕+ ♕xe8 stalemate
5) 1. d7 ♖c7 2. ♔h8 ♖xd7 stalemate
6) 1. ♔d4 ♗b2+ 2. ♔c5 ♗xe5 stalemate
7) 1. ♕f3+ ♕xf3 2. gxh3+ ♔xh3 stalemate
8) 1. d5+ ♕xd5 (1. ... ♔xd5 2. ♗f3+) 2. ♗c4 ♕xc4 stalemate

9) 1. c7 (1. ♔xd7 ♗f4 2. ♔e6 b5) 1. ... ♗f4+ 2. ♔d5 ♗xc7 stalemate
10) 1. ♘f6 ♔e5 2. ♔h6 ♔xf6 stalemate (2. ... ♖g8 3. ♘xg8 ♔f5 4. ♘e7+)
11) 1. c4 bxc3+ 2. ♔a4 ♗xa2 stalemate (2. ... ♗c6+ 3. ♔b3)
12) 1. fxe4+ (1. ♗xe4+? ♕xe4 2. fxe4+ ♔xe4 3. ♔g3 ♔f5 4. ♔f2 ♔f4 5. ♔g2 g3 6. ♔g1 ♔f3 7. ♔f1 g2+ 8. ♔g1 g4 0-1) 1. ... ♕xe4 2. ♔g3 ♕xc2 stalemate

*39 Lifting stalemate: A*

1) 1. ♘e6
2) 1. ... b5 2. axb5 c3
3) 1. ♗g8
4) 1. ♔h1 (1. ♔g1) 1. ... ♔xh3 2. f5
5) 1. ... ♗b3 2. ♔xb3 c1♕
6) 1. ♗c4 bxc4 2. b5
7) 1. ♘b1 axb1♕+ 2. ♖xb1+
8) 1. ... ♖f6
9) 1. ♘f3 gxf3 2. ♔g1
10) 1. ♔d3 (1. ♗xc5 dxc5 2. d6 ♔b2 3. d7 a1♕ 4. d8♕ ♕c1+ is a draw; 1. ♗b4 cxb4 2. ♔c2 b3+ 3. ♔xb3 is a draw) 1. ... ♔b1 2. ♔c3+
11) 1. ♗g8 ♔b1 2. ♘c3+
12) 1. ♖aa1 bxa1♕ 2. ♖b8#

*40 Lifting stalemate / #2: B*

1) 1. ♔f3 ♔xh4 2. ♖h6#
2) 1. a3 bxa3 2. ♖xa3#
3) 1. ♗b3 axb3 2. ♖a7#
4) 1. ♗f2 gxf2 2. g4#
5) 1. b4 ♔a3 2. ♖a1#
6) 1. ♗h1 ♔xh1 2. ♖xh3#
7) 1. ♗d4 ♔xb4 2. ♗xb6#
8) 1. ♖a3 bxa3 2. ♗c3#
9) 1. ♖f6 gxf6 (1. ... g6 2. ♖f8#; 1. ... gxh6 2. ♖f8#) 2. ♗xf6#
10) 1. ♔f6 ♔h8 2. ♔f7#
11) 1. ♖c1 ♔b5 2. ♖c5#
12) 1. ♗e4 dxe4 2. ♖d8#

*41 Avoiding stalemate: A*

1) 1. c8♖
2) Drawing
3) 1. ♗g4+
4) 1. ♖c1
5) 1. ♖d3+
6) 1. ♕d5
7) 1. ♘b3 ♔xb3 (1. ... ♗xh3 2. ♘c5#) 2. ♘d4+
8) 1. ... ♕g3
9) 1. ♔a1
10) 1. ♗b7 ♕b8 ( 1. ... ♕xb7 2. axb7 a5 3. b8♕ a4 4. ♕h8# ) 2. ♗g2#
11) 1. h8♗+ (1. h8♕+? ♔b3 2. ♕xa1) 2. ♗g2#
12) 1. ♔g3 (1. ♔h2 g3+ 2. ♔xh3 g2 3. ♔xg2 stalemate) 1. ... h2 2. ♔xh2 g3+ 3. ♔g1 g2 4. ♘b4 ♔xa7 5. ♔xg2

*42 Stalemate is inevitable / Yes or no: A*

1) No: 1. ... ♗b1
2) Yes
3) No: 1. ... ♔e4
4) Yes
5) Yes: 1. ... ♖b3+ 2. axb3 axb3 stalemate
6) Yes
7) Yes (1. ... ♗b4+ it's not a stalemate, but a loss.)
8) No: 1. ... ♕b3
9) No: 1. ♖g6+
10) No: 1. ... f3
11) Yes: 1. ♖g4 hxg4 2. hxg4; 1. ♖g6+ is a draw too.
12) No: 1. ♔b4 ♔b2 2. ♕h2+ ♔a1 3. ♕e5#

*43 Stalemate / Where is the king stalemated: A*

1) ♔a2 ♔a4 ♔c4
2) ♔f1 ♔h1 ♔e3
3) ♔h3 ♔h5 ♔h1
4) ♚a1 ♚h2 ♚g7 ♚h4
5) ♔a7 ♔h7 ♔h5 ♔c7
6) ♔a3 ♔b6 ♔c3 ♔e7
7) ♔f5 ♔f3 ♔h5 ♔h3
8) ♔h1 ♔f1 ♔a7 ♔h8
9) ♔a8 ♔c8 ♔h8 ♔a6 ♔e6
10) ♚d8 ♚f8 ♚h8 ♚h6 ♚h4
11) ♔a1 ♔a3 ♔c3 ♔e3 ♔g5 ♔h8
12) ♔f8 ♔g6 ♔g4 ♔e4 ♔c5 ♔c1 ♔a1

*44 Winning material: A*

1) 1. ♕xf8+ ♔xf8 2. ♖xe6
2) 1. ♕xf6+ ♔xf6 2. cxb6

3) 1. b8♕ (1. bxc8♕+ ♗xc8 2. ♔f3 ♗d6)
1. ... ♖xb8 2. ♖xb8+
4) 1. ♕e5+ ♔f8 2. ♗xd8
5) 1. ♗c6 ♕f8 2. ♗xa8
6) 1. ♗d5+ ♔h8 2. ♗xe4
7) 1. ... ♔d6 2. ♖g5 gxh5
8) 1. ♕xf8+ ♔xf8 2. ♗xa5
9) 1. ♕g2+ ♘7g6 2. fxe6
10) 1. ♕c3 ♕d7 2. ♗xh6
11) 1. ♖h1 (1. dxe8♕+ ♔xe8; 1. d8♕ ♕c5) 1. ... ♔g8 2. dxe8♕#
12) 1. ... ♕xa4

*45 The pin: Pin: A*

1) Drawing
2) 1. ... ♕a5
3) 1. ♗f4
4) 1. ♕f3
5) 1. ♗f4
6) 1. ... ♗b4
7) 1. ♕e2
8) 1. ♗c3
9) 1. ♕e4
10) 1. ♖h4
11) 1. ♕a4
12) 1. ♕d4

*46 Double attack / Mating threat: A*

1) 1. ... ♔c5 2. c3 ♖a8#
2) 1. ♘d3 ♖e3 2. ♖d4#
3) 1. ♗b3 a1♕ 2. ♗f7#
4) 1. ♔c4 ♖d1 2. ♘c6#
5) 1. ♔g3 ♔g6 (1. ... ♗b1 2. ♘f4#) 2. ♘f4+
6) 1. ♔f5 ♖xe7 2. g4#
7) 1. ♘f4 ♖h1 2. ♖c6#
8) 1. ♔b3 a1♕? 2. ♘e6#
9) 1. ♘f4 (1. ♘f8 ♔e5) 1. ... ♖g1 2. ♖d5#
10) 1. c4 ♘xc4 (1. ... ♘d1 2. b3#; 1. ... ♖d3 2. ♘c5#) 2. ♘c3#
11) 1. ♔g2 ♖e1 2. ♗f6#
12) 1. ♖b2 ♕g1 2. ♗b7#

*47 Passed pawn: A*

1) 1. f7
2) 1. ... ♗a4
3) 1. ♘xe6 ♕f6+ 2. ♘d4
4) 1. f8♕+ ♔xf8 2. ♕xd7
5) 1. c7
6) 1. a7
7) 1. ♘d5+
8) 1. ♔e6
9) 1. ♔f5
10) 1. ♕g7+ ♕xg7 2. hxg7 a3 3. g8♕
11) 1. ♘c4
12) 1. ♗b3 ♗e6 2. ♗xe6

*48 Passed pawn: B*

1) 1. ♗h7+ ♔xh7 2. g8♕#
2) Drawing
3) 1. ... ♗h3+ 2. ♔xh3 exf1♕+
4) 1. ♗b4 (1. ♗g7 ♗xa3) 1. ... ♗xb4 2. axb4
5) 1. ♖g5 ♖xg5 2. h8♕
6) 1. ... ♔b8 (1. ... h1♕? 2. b8♕+ and 3. ♗xh1)
7) 1. ♖b7+ ♖xb7 2. cxb7
8) 1. f3+ ♔xf3 2. c7
9) 1. ♗a5+
10) 1. ... ♖g8
11) 1. ... ♖b1
12) 1. b8♕+

*49 Winning material: B*

1) 1. ... ♕xf5 (1. ... ♗xf5? 2. ♕xc6+ bxc6 3. ♗xa5)
2) 1. ♖xe7 ♖xe7 2. ♕xe7 ♕xe7 3. ♖xe7
3) 1. ♖bb8 (1. ♗xd3? ♖xc8) 1. ... ♖xc8 2. ♖xc8+
4) 1. ... ♕xd5 (1. ... ♗xc6 2. ♘e7#)
5) 1. ♘xd4 (1. ♕xc8? ♖xc8 2. ♘xd4? ♖xc1+)
6) 1. fxg7 (1. bxc3 ♗xf6) 1. ... ♕a5 (1. ... ♖g8 2. bxc3) 2. gxh8♕+
7) 1. ... ♗xf3 (1. ... exf3 2. ♕xg4+)
8) 1. ... ♘xg6 (1. ... ♗xg6 2. ♘xg6+)
9) 1. ... dxc4 2. ♖xc4 ♕d5
10) 1. ... ♖xc3 2. ♗xc3 ♕xc3
11) 1. ♕xb4 (1. ♕xh4? ♖h6)
12) 1. ... ♗xb2 (1. ... ♖xb3 2. ♗xf6 ♘xf6 and Black is material behind) 2. ♖b1 ♖xb3

*50 Intermediate move: A*

1) 1. ♕h8+ (1. ♘xb1? h1♕) 1. ... ♔c4 2. ♘xb1 (first, prevent the promotion)
2) 1. ... ♕xd5 2. exd5 ♘xe2 (capturing the white queen immediately is pointless because or the knight fork

on e7.)
3) 1. ♗e5 (1. ♖xc8? ♕xf4+) 1. ... ♕e6 2. ♖xc8 (first, prevent the double attack with the queen.)
4) 1. ♕d8+ (1. dxe5? ♕xd3 2. ♕xb4) 1. ... ♔g7 2. dxe5 (protect the rook on d3 with an intermediate check)
5) 1. ♕h8+ (1. ♖xe6? ♖a1+) 1. ... ♔d7 2. ♖xe6 (first, prevent check on the back rank)
6) 1. ... ♕xa3 2. ♖xa3 exd4 (capture what you can; otherwise, the queen will be lost)
7) 1. ... ♗h6+ (1. ... ♔xe6? 2. g7) 2. ♔f3 ♔xe6 (bring the bishop to safety)
8) 1. ♗g8+ (1. ♕xc5? ♖e1#; 1. ♗f7? ♖b5) 1. ... ♔xg8 2. ♕xc5 (first, create a flight square for the king)
9) 1. ♘b8+ (1. dxe6+? ♔xc6 2. exf7 ♔d7) 1. ... ♔e7 2. dxe6 (bring the knight with tempo to safety)
10) 1. ... ♖d1+ (1. ... ♕xb3? 2. ♕f5+) 2. ♔h2 ♕xb3 (first, prevent the double attack with the queen.)
11) 1. g4 (1. ♕xc3? ♕d1+) 1. ... ♕h4 2. ♕xc3 (first, prevent mate)
12) 1. h5 (1. ♕xd5? ♘c5; 1. cxd5? ♘c5) 1. ... ♕xh5 2. exd5+ ♔g7 3. dxe6 (making a discovered check possible)

*51 Intermediate move: B*
1) 1. ♗d4+ (1. ♕d7+? ♕f7 2. ♕xc8 (2. ♗d4+ ♔g6 3. ♕xc8 ♕f1+ 4. ♗g1 ♕f3#) 2. ... ♕f3#))
1. ... ♔g8 2. ♕xc8+ (White can capture the rook with check.)
2) 1. ♖c7 ♘xc4 (1. ... ♖xc7? 2. bxc7) 2. ♖xc8+ (the double threat wins a piece)
3) 1. ♕d4 ♖e8 (1. ... ♘c6 2. dxc6) 2. exf5 (double attack with two pieces)
4) 1. ♕a3 (1. ♕xe4? ♕xa5; 1. ♕d6? ♖d8) (counterattack on the rook)
5) 1. ... ♗f3 2. ♘d5 ♕h3 (with a mating threat on h3)
6) 1. ... ♖d1+ 2. ♔b2 (2. ♔a2 ♕a8+ 3. ♔b2 ♕a1#) 2. ... ♕xf6+ (capture with a check or mate)
7) 1. ♕xc8 ♖xc8 2. ♘xe7 (pinning the rook on d8)
8) 1. ♖c1 (1. ♔xe2? ♕xb2+) (first, prevent the double attack with the queen on b2.)
9) 1. ♗d5 ♘xd5 2. exd5 (the double threat wins a piece)
10) 1. ♖f1 ♖d7 (1. ... ♕e7 2. ♕xd5) 2. ♕g4+ (with a mating threat; f7 cannot be safely protected)
11) 1. ♕g8+ ♖xg8 (1. ... ♔xg8 2. ♘xe7+) 2. ♘xe7 (lure the rook away from d8 or capture it with check on e7)
12) 1. ... ♖c6 (1. ... ♖xa8? 2. ♕xc7; 1. ... ♖d7? 2. ♕xd7) 2. ♕xb4 ♖xa8 (first, safely place the rook on c7.)

*52 Rules / Legal position (Yes or no): A*
1) Yes, the last move was, 1. ♖b5-d5+
2) Yes
3) No, the bishop can never get to a6 in a legal way.
4) No: The pawn on a3 must come from a2 or b2 (after a2-a3 or b2xa3 respectively). Both moves are impossible because the pawns on a2 and b2.
5) Yes
6) No: before the last move White was in check.
7) Yes: b2-b1♕+ is the last move. The black dot must be removed.
8) Drawing
9) Drawing
10) Yes: Black is in stalemate. The black dot is missing.
11) Yes: b2-b1♘ is the last move.
12) Yes: f4xe3+ is the last move.

*53 Legal position (Yes or no): A*
1) No: before the last move Black was in check.
2) Yes: b7xc8♖+ is last move.
3) No: before the last move White was in check.
4) Yes: ♖c6-c8+ is the last move.
5) No: Black doesn't have a last move.
6) Yes: Kg2-h2 is last move.

7) Yes: f3xg4 must be the last move played. With the white pawn on g3, there is no last move
8) Yes: 4 (5) promotions to a queen.
9) No: two white bishops and 8 pawns.
10) No: Black has a double pawn and White still has all his pieces.
11) Yes: a5 is the last move. The bad move 1. ... Ka4 is also legal.
12) No: The black bishop cannot give check on a6.

*54 Defend against a passed pawn: A*

1) 1. ♗d5+ (1. ♗e4? f5+) 1. ... ♔g7 2. ♗a2 (winning a tempo and protect)
2) 1. c4+ ♔xc4 2. ♔c2 (square clearing and protecting)
3) 1. ... e4+ 2. ♔xe4 ♗e5 (square clearing and protecting)
4) 1. ♖a1 ♖g1+ (otherwise 2. ♖f1) 2. ♔d2 (square f1 twofold protecting with X-ray protection)
5) 1. ♖a3+ ♔b4 2. ♖a1 (winning a tempo and protecting)
6) 1. b5+ (1. ♗h6? g5) 1. ... ♔xb5 2. ♗a3 (line clearing and protecting)
7) 1. ♖f1 (The only way to win the passed pawn and keep the g-pawn on the board. That won't work with: 1. ♖e4+? ♔xe4 2. ♗b7+ ♔f4 3. ♗xg2 ♔xg4 nor with 1. ♖f3+ ♔xf3 2. ♗b7+ ♔xg4 3. ♗xg2) 1... gxf1♕+ 2. ♗xf1 a5 3. g5
8) 1. ♗g3 (1. ♗g5? ♔f2; 1. ♗f6? c5) 1. ... ♔f1 (1. ... ♔h1 2. ♗f2) 2. ♗h2 (find the right diagonal to protect)
9) 1. ♗g6 (1. ♖g1 b1♕ 2. ♖xb1 ♖xb1) 1. ... b1♕ 2. ♗xb1 ♖xb1 3. ♖xf7 (protecting thanks to a pin)
10) 1. ♖d8+ (1. ♖c5 ♖c1+ 2. ♔f2 b1♕) 1. ... ♔h7 2. ♖db8 (twofold protecting with tempo square b1)
11) 1. ♖h5+ ♔xh5 2. a8♕ (line clearing and protecting)
12) 1. h4! g2 (1. ... gxf2 2. ♔e2) 2. ♘h3 (square clearing protecting)

*55 Defend against a passed pawn: B*

1) 1. ♘d4 c1♕ 2. ♘f3# (double attack: stopping the passed pawn or mate)
2) 1. ... ♘d3+ 2. cxd3 a1♕ (line clearing and protecting)
3) 1. ♘c5+ ♔d6 (1. ... ♗xc5 2. ♔b2) 2. ♘b3 (luring away the defender of b2 or protecting)
4) 1. ♖d8+ (1. ♖c5? ♖c1+ 2. ♔f2 b1♕) 1. ... ♔h7 2. ♖db8 (see sheet A #10)
5) 1. ♘d3+ ♔d4 (1. ... exd3+ 2. ♔xd3 and protects h1) 2. ♘f2 (luring away and protecting)
6) 1. ♔c2 ♔a3 (1. ... b5 2. ♖b1 b4 3. ♖f1 b3+ 4. ♔c1 b2+ 5. ♔c2) 2. ♖b1 (thanks to check, the king can help so that the rook can move to b1.)
7) 1. h5 b1♕ 2. ♗g6+ ♕xg6 3. hxg6+ ♔xg6 4. c6 (double attack after promotion)
8) 1. ... ♗d4+ 2. ♔c2 ♗f6 3. ♔d3 ♔f7 (twofold X-ray protection of square d8)
9) 1. ♖e8 e1♕ 2. ♗c5+ (winning a new queen with a discovered attack)
10) 1. ♗f6 gxf6 (1. ... ♔f5 2. ♔xg7) 2. ♘e7# ('unsafe' protecting is possible thanks to mate)
11) 1. ♗b6 ♔c8 (1. ... c1♕ 2. ♖h8#) 2. ♗e3 (protecting with tempo – mating threat – )
12) 1. d8♘+ ♔e7 2. ♗c6 ♔xd8 3. ♔c2 ♔c7 4. ♗h1 ♔b6 5. a3 (line clearing; knight promotion with check wins a tempo and protects square c6)

*56 Defend against a passed pawn: C*

1) 1. ♗c1 (1. ♖c2 ♔a1 2. ♗c1 b1♕) 1. ... b1♕ 2. ♖a3# (pinning to a square)
2) 1. ... ♗f1+ (1. ... ♔c7? 2. d8♕+ ♔xd8 3. ♗xb5) 2. ♔g4 ♔c7 (intermediate check to prevent discovered attack)
3) 1. ♔c3 ♔a4 2. ♔d2 (2. ♖a8+ ♔b5) (winning a tempo due to a mating threat)
4) 1. ♘e1 a1♕ (1. ... ♔d4 2. ♘c2+ ♔c3 3. d4) 2. ♘f3# (double attack: protect on c2 or mate on f3)
5) 1. ♗b4 axb4 2. ♘xb4 ♔xd4 3. ♘c2+(Secure square b4 for the bishop or with winning the queen with a knight fork)
6) 1. ♖h6 (1. ♖a6 ♗b5+) 1. ... a1♕ (1. ... ♗f5+ 2. ♔e3 (2. ♔c3? a1♕+)) 2. ♖h1+ ♔f2 3. ♖xa1 (prepare an X-ray check)
7) 1. ♗c1 (1. ♗b2? ♘xb2 2. ♘e2+ ♔f2 3. ♘c3 ♔e1 4. ♔g2 ♘a4) 1. ... dxc1♕ (1. ... d1♕ 2. ♗e3#) 2. ♘e2 (Pinning to a square: mate on e3 or a knight fork after capturing on c1)
8) 1. ♗d5 (1. ♗g6+ ♔xe6) 1. ... cxd5 (1. ... b1D 2. Te1+) 2. ♖e1 a5 3. ♖b1 (square clearing: protecting

or winning the queen)

9) 1. ♗c1 d1♕ (1. ... ♔xd3 2. ♗xd2 ♔xd2 3. ♔g4) 2. ♘b2+ (square clearing to allow a knight fork after promotion on d1)
10) 1. ♔c3 b1♕ (1. ... b5 2. ♖b4 (2. ♖h8 b4+)) 2. ♖a4+ ♕a2 3. ♖xa2+ ♔xa2 4. ♔b4 (line clearing)
11) 1. ... ♖g8 2. ♖e8 ♗b6 (protecting the own rook and protecting d8 twofold)
12) 1. ... ♖e4 2. d8♕ (2. dxe8♕ ♖xe8) 2. ... ♖a4# (Capturing the passed pawn would result in a stalemate. White only threatens 2. dxe8D; promotion on d8 is not possible due to mate on a4.)