Solving Quadratic Equations using the Quadratic Formula

Solve each equation using the Quadratic Formula.

Show all steps!

4 perfect squares, 6 square root answers

no negative square roots, no fraction answers

1. a2 = 16a + 17
2. x2 + 6x – 49 = 10
3. x2 + 12x – 51 = -2x
4. b2 + 14b = 15
5. w2 – 10w + 26 = 8
6. 2c2 – 24c + 24 = 0
7. 2k2 + 12k = 72
8. 2x2 – 24x = -46
9. x2 + 14x – 26 = 12
10. 3x2 – 6x – 9 = 0