Completing the Square Practice – Use a Separate Sheet of Paper!

Complete the square. In other words, fill in the number that should be in the grey box.

7. $x^2 + 18x + \blacksquare$ **8.** $x^2 - x + \blacksquare$ **9.** $x^2 - 24x + \blacksquare$

10. $x^2 + 20x + \blacksquare$ **11.** $m^2 - 3m + \blacksquare$ **12.** $x^2 + 4x + \blacksquare$

Solve each quadratic equation by completing the square.

13. $x^2 - 3x = 28$ 14. $x^2 - 3x = 4$ 15. $x^2 - 8x - 9 = 0$

16. $x^2 - 2x = 5$ 17. $x^2 - 12x + 11 = 0$ 18. $x^2 - 10x + 26 = -8$