

4.6 - Solve by Factoring: Practice

Solve each equation by factoring.

1) $x^2 + 4x - 32 = 0$

2) $k^2 - 10k + 16 = 0$

3) $5r^2 + 25r + 20 = 0$

4) $k^2 - 9 = 0$

5) $2x^2 = 72$

6) $x^2 - 18 = -3x$

7) $5x^2 - 15x = 90$

8) $n^2 + 9n = -18$

9) $35v^2 + 10v = 0$

10) $2x^2 + 5x = 0$

$$11) 7n^2 - 48n - 7 = 0$$

$$12) 2x^2 + 11x + 15 = 0$$

$$13) 3n^2 - 20n - 7 = 0$$

$$14) 6x^2 + 53x + 40 = 0$$

$$15) 5k^2 + 24 = -23k$$

$$16) 7p^2 + 6 = 17p$$

$$17) 3x^2 + 12 = -20x$$

$$18) 5x^2 = 4 + x$$

$$19) 7m^2 + 20 = 33m$$

$$20) 10x^2 + x = 24$$