

Practice 4.2 Part 2 ~ Factoring to Solve Quadratic Equations

Solve each equation by factoring.

1) $(n - 2)(n - 6) = 0$

2) $(3v - 5)(2v - 1) = 0$

3) $6(p + 2)(p + 5) = 0$

4) $8(8n - 3)(5n + 2) = 0$

5) $k^2 - 2k - 24 = 0$

6) $x^2 - 8x + 7 = 0$

7) $x^2 + 10x + 33 = 8$

8) $b^2 + 10b + 30 = 6$

$$9) x^2 = -14x - 48$$

$$10) p^2 = -2p$$

$$11) 8x^2 - 5x - 14 = 7x^2$$

$$12) a^2 + 14a = -24 + 4a$$

$$13) 3x^2 + 11x - 4 = 0$$

$$14) 25p^2 - 40p + 7 = 0$$

$$15) 8r^2 - 33r - 43 = -8$$

$$16) 3r^2 - 17r + 18 = -2$$

$$17) 7x^2 + 23x = 20$$

$$18) 7n^2 + 2 = -9n$$