

Solving Quadratics by Factoring - Practice

Simplify the following problems. Factor completely.

1. $6x^2 - 3x = 0$

2. $x^2 - 2x - 3 = 0$

3. $2x^2 - 11x + 15 = 0$

4. $6x^2 + 19x = -15$

5. $25x^2 - 49 = 0$

6. $x^2 + 6 = 7x$

7. $3x + 28 = x^2$

8. $-x^2 + 3x + 28 = 0$

9. $5x^2 + 20x + 20 = 0$

10. $-x^2 + 7x = 10$

Solutions:

1. $x = 0, \frac{1}{2}$

2. $x = -1, 3$

3. $x = 3, \frac{5}{2}$

4. $x = \frac{-5}{3}, \frac{-3}{2}$

$$5. x = \frac{-7}{5}, \frac{7}{5}$$

$$8. x = -4,7$$

$$6. x = 1,6$$

$$9. x = -2$$

$$7. x = -4,7$$

$$10. x = 2,5$$