Quadratic Equations

Complete the Square

Complete: Non-Standard form

1. *solve by complete the square* $x^2 + 10x + 25 = 64$

2. *solve by complete the square* $x^2 + 6x + 3 = 19$

3. *solve by complete the square* $x^2 - x - 18 = 12$

4. *solve by complete the square* $x^2 - x - 1 = 19$

5. *solve by complete the square* $x^2 - 11x + 8 = 20$

6. *solve by complete the square* $x^2 + 3x + 14 = 14$

7. *solve by complete the square* $4w^2 + 12w + 9 = 81$

8. *solve by complete the square* $x^2 - 6x + 9 = 25$

9. *solve by complete the square* $4x^2 - 8x + 4 = 1$

10. *solve by complete the square* $r^2 - 10r + 25 = 1$

Answers

Quadratic Equations

Complete the Square

Complete: Non-Standard form

1. $x = 3, x = -13$

2. $x = 2, x = -8$

3. $x = 6, x = -5$

4. $x = 5, x = -4$

5. $x = 12, x = -1$

6. $x = 0, x = -3$

7. $w = 3, w = -6$

8. $x = 8, x = -2$

9. $x = \dfrac{3}{2}, x = \dfrac{1}{2}$

10. $r = 6, r = 4$