

Worksheet #2 Lesson 2.4

Find the zeros by completing the square.

1. $x^2 + 12x + 4 = 0$

2. $x^2 + 2x = 8$

3. $2r^2 + 16r + 16 = 0$

4. $5n^2 + 20n - 80 = 0$

Write a Quadratic Function in Vertex Form $f(x) = a(x - h)^2 + k$, and identify the vertex.

5. $x^2 - 14x + 24 = 0$

6. $x^2 + 8x - 30 = 0$

Vertex: _____

Vertex: _____

7. $x^2 + 16x + 60 = 0$

8. $x^2 - 6x + 11 = 0$

Vertex: _____

Vertex: _____