

**Exit Ticket: Completing the Square**

Solve the equation by completing the square. Round to the nearest hundredth if necessary.

1  $x^2 + 4x = 8$

2  $x^2 - 2x = 16$

Find the vertex of each parabola by completing the square.

3  $y = x^2 - 8x + 15$

4  $y = x^2 - 2x - 15$

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**Answer Section**

- 1 -5.46, 1.46
- 2 -3.12, 5.12
- 3 (4,-1)
- 4 (1,-16)