

3.6 Solving Quadratics and Other Equations Guided Notes

Example 1 Find the x -intercept of each equation below. Write your answer in an ordered pair. Consider how the format of the given equation either facilitates or inhibits your work.

1. $4x + 2y = 24$

2. $y = 4x + 9$

3. $y - 3 = 4(3x + 1)$

4. $y = 6x + 3$

5. $x - 2 = 3x - 4x - 3x$

6. $3x - 2y = 14$

Example 2 Find the y -intercept of each equation in Example 1.

1. $4x + 2y = 24$

2. $y = 4x + 9$

3. $y - 3 = 4(3x + 1)$

4. $y = 6x + 3$

5. $x - 2 = 3x - 4x - 3x$

6. $3x - 2y = 14$

Name: _____