Unit 4 HW 13 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solve to find the x-intercepts by factoring.**

1. 2. 3.

x-intercepts: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x-intercepts: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x-intercepts: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Solve to find the EXACT x-intercepts by completing the square and identify the vertex.**

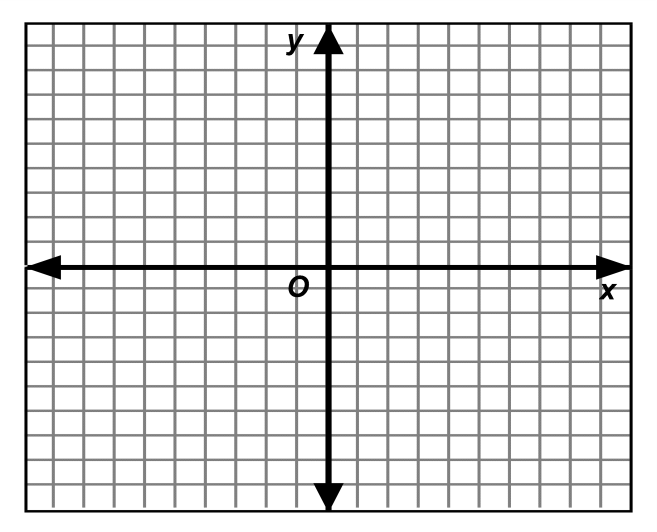
4. 5.

x-intercepts: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

vertex: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

x-intercepts: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

vertex: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Solve the system of equations using any method

(substitution, elimination, or graphing).

**Find the APPROXIMATE x-intercepts of each quadratic using either by factoring or completing the square.**

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1. **Circle** the method that you used for question “7” (above): Factoring Completing the Square

Explain: Why would you choose this method for this particular question?

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1. **Circle** the method that you used for question” 8” (above): Factoring Completing the Square

Explain: Why would you choose this method for this particular question?

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