

Linear and quadratic systems



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1. Which of the following represents all solutions (x,y) to the system of equations shown below?

$$y=x-2$$

$$y=x^2-x-5$$

Please choose from one of the following options.

A. $(3,-1)$

B. $(-3,1)$

C. $(-3,-5)$ and $(1,-1)$

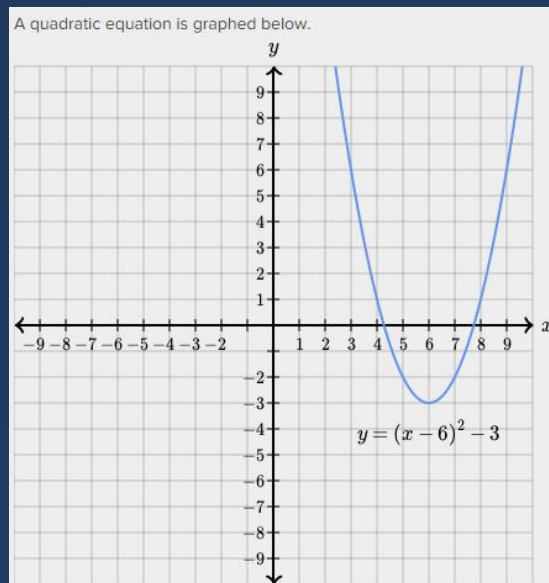
D. $(3,1)$ and $(-1,-3)$

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2. Which of the following represents all solutions (x,y) to the system of equations created by the equation of this graph and the linear equation $y=x-7$?

- A. $(4,1)$ and $(9,6)$
- B. $(5,-2)$ and $(8,1)$
- C. $(5,-2)$ and $(9,6)$
- D. $(3,6)$ and $(8,1)$



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3.If (x,y) is a solution to the system of equations shown below, what is the product of the y - coordinates of the solutions?

$$x^2 + y^2 = 9$$

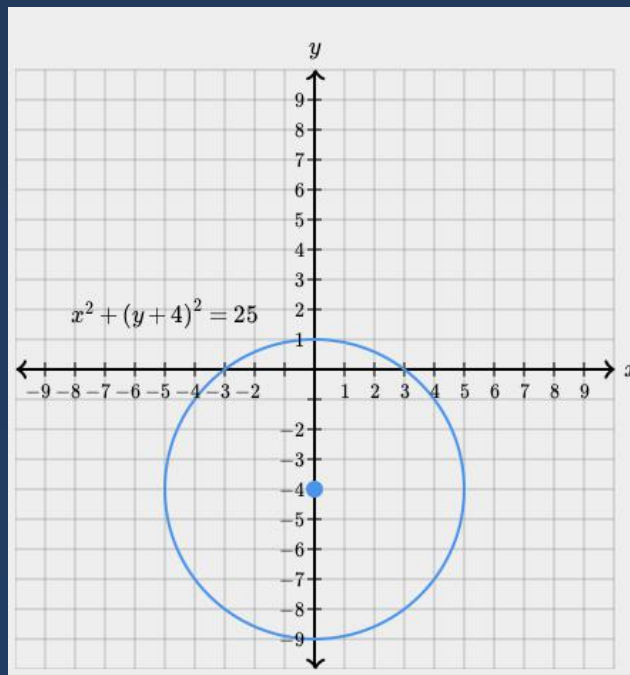
$$x + y = 3$$

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4. Which of the following represents all solutions (x,y) to the system of equations created by the equation of this graph and the linear equation $x - y = 3$?

- A. $(-3,0)$ and $(-5,-3)$
- B. $(3,0)$ and $(5,-3)$
- C. $(-3,0)$ and $(4,-7)$
- D. $(3,0)$ and $(-4,-7)$



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Thanks

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