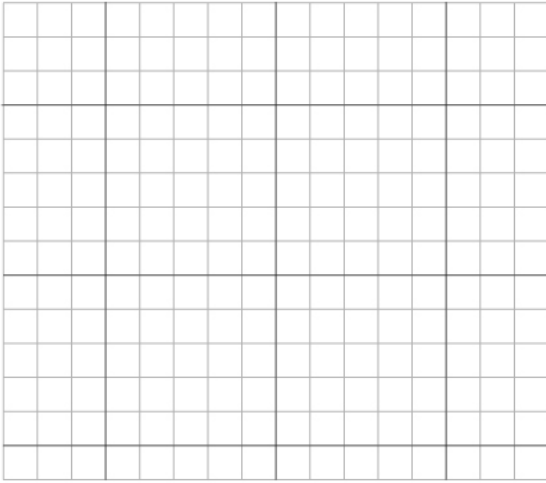


Graphing Quadratic Linear Systems

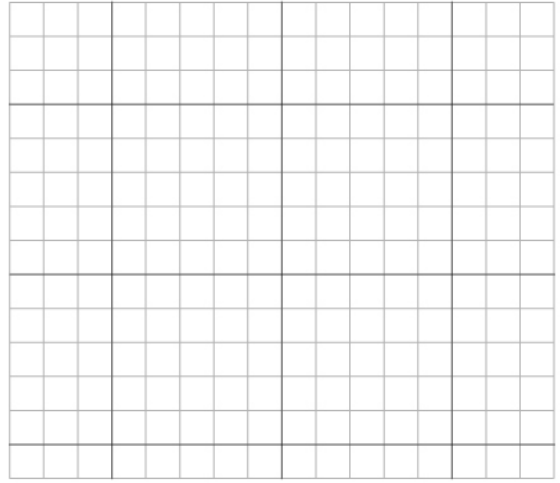
1. Solve each linear and quadratic system by graphing.

a) $y = -x^2 + 5x + 6$; $y = x + 6$



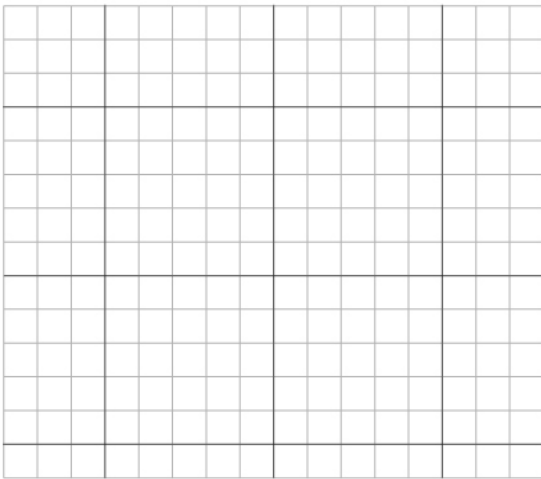
Solution:

b) $y = x^2 + x - 2$; $y = -x + 1$



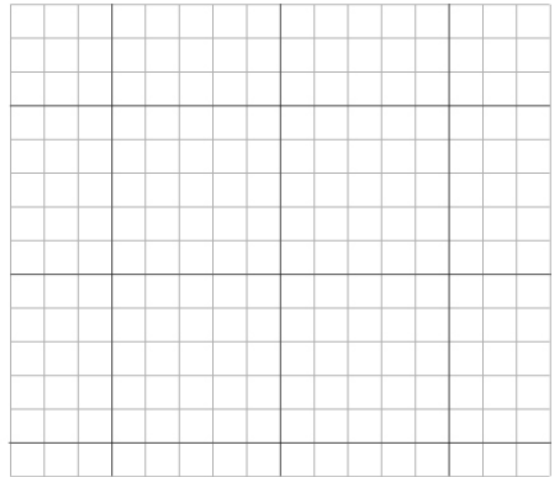
Solution:

c) $y = 2x^2 + 3$; $y = x + 2$



Solution:

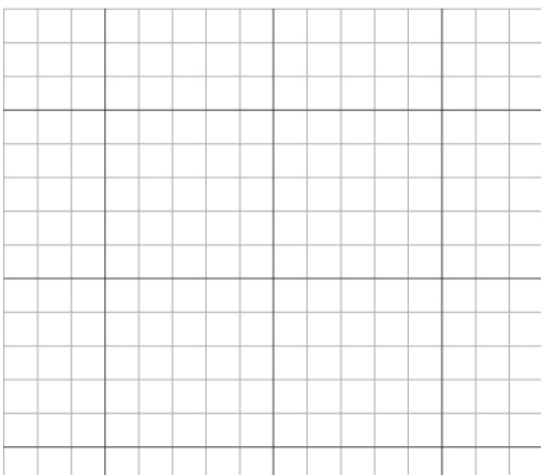
d) $y = -(x + 2)^2 + 5$; $y = 5$



Solution:

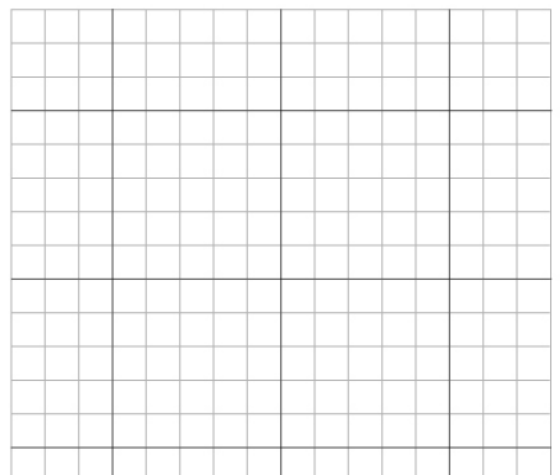
2. State the number of solutions to the given sets of linear and quadratic equations by graphing.

a) $y = -x^2 + 2x + 7$; $y = -2x + 2$



.....

b) $y = (x + 2)^2 - 6$; $y = 4x - 2$



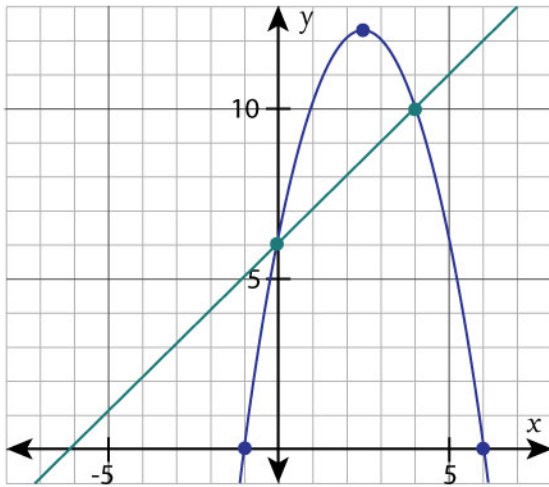
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Graphing Quadratic Linear Systems

Answers

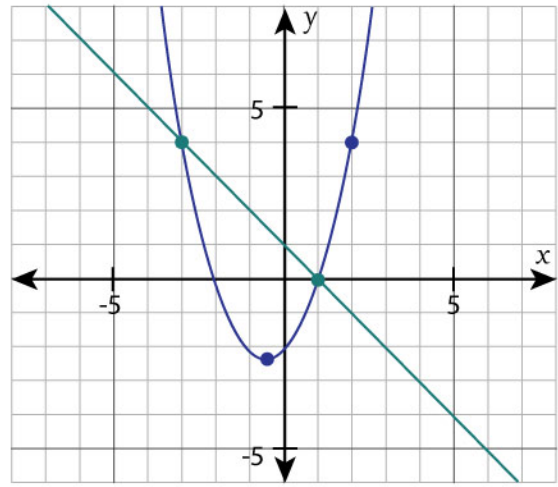
1. Solve each linear and quadratic system by graphing.

a) $y = -x^2 + 5x + 6$; $y = x + 6$



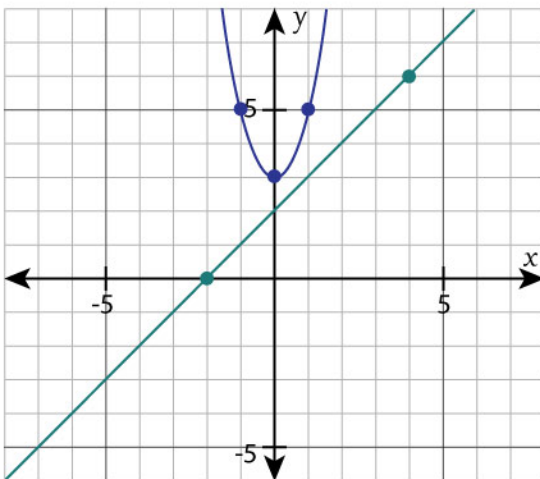
Solution: $(0, 6)$ and $(4, 10)$

b) $y = x^2 + x - 2$; $y = -x + 1$



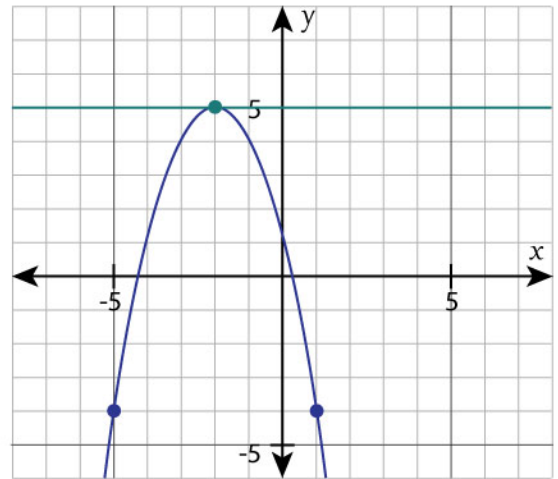
Solution: $(-3, 4)$ and $(1, 0)$

c) $y = 2x^2 + 3$; $y = x + 2$



Solution: No Solution

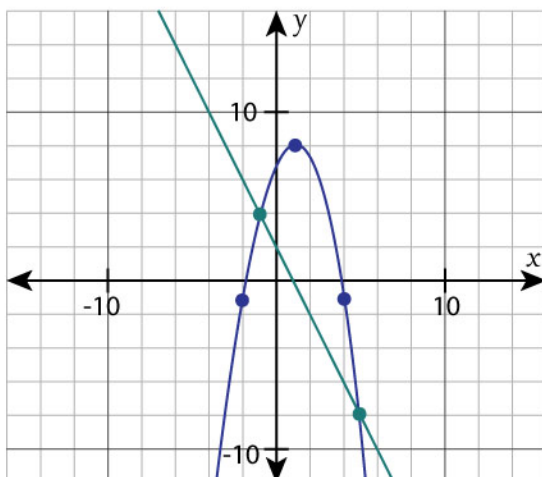
d) $y = -(x + 2)^2 + 5$; $y = 5$



Solution: $(-2, 5)$

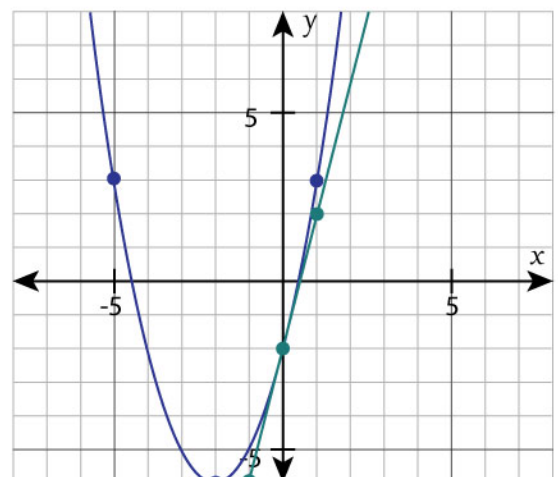
2. State the number of solutions to the given sets of linear and quadratic equations by graphing.

a) $y = -x^2 + 2x + 7$; $y = -2x + 2$



Two Solutions

b) $y = (x + 2)^2 - 6$; $y = 4x - 2$



One Solution