

Sec. 3.8 - Linear-Quadratic Systems

Learning Goal: By the end of today, I will be able to solve a Linear-Quadratic system using a (i) graphical approach, and an (ii) algebraic approach.

Oct 14-10:49 PM

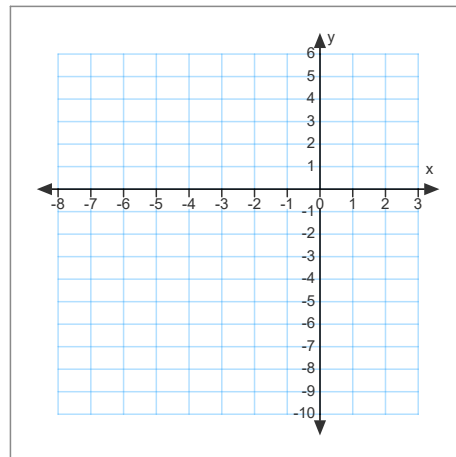
Solve the following:

Graphing

$$y = 3x + 5$$

$$y = -2x - 10$$

Algebraic



Oct 14-10:52 PM

Linear Systems could be solved graphically, with elimination, or with substitution.

Linear-Quadratic systems can be solved graphically or with substitution.

Oct 14-10:55 PM

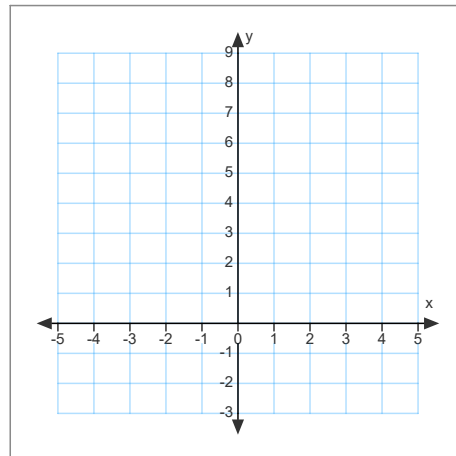
Solve

Graphing

$$y = 2x + 1$$

$$y = x^2 - 2$$

Algebraic



Oct 14-10:55 PM

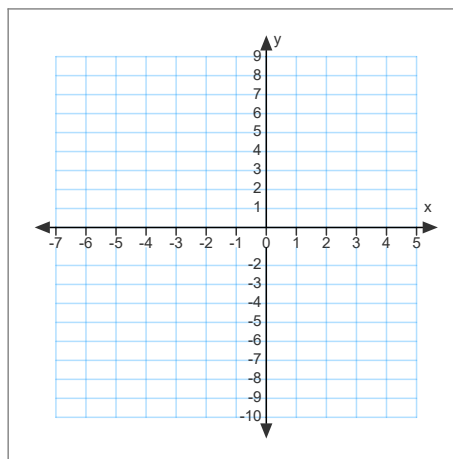
Solve

Graphing

$$y = -0.25x + 2$$

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

Algebraic



Oct 14-10:55 PM

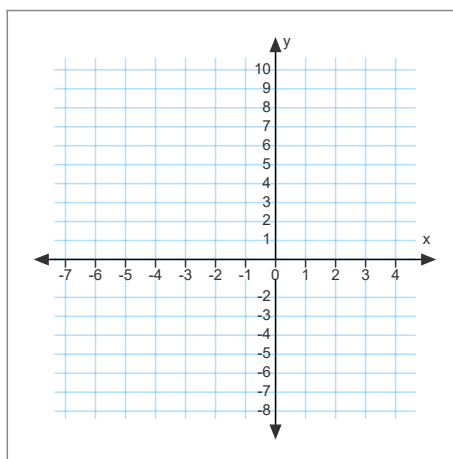
Solve

Graphing

$$y = -0.8x + 5.4$$

$$y = 1.2x^2 + 2.8x - 6.4$$

Algebraic



Oct 14-10:55 PM

Homework

Pg. 198 #1,2,4,10, 12, 14

Oct 14-11:03 PM