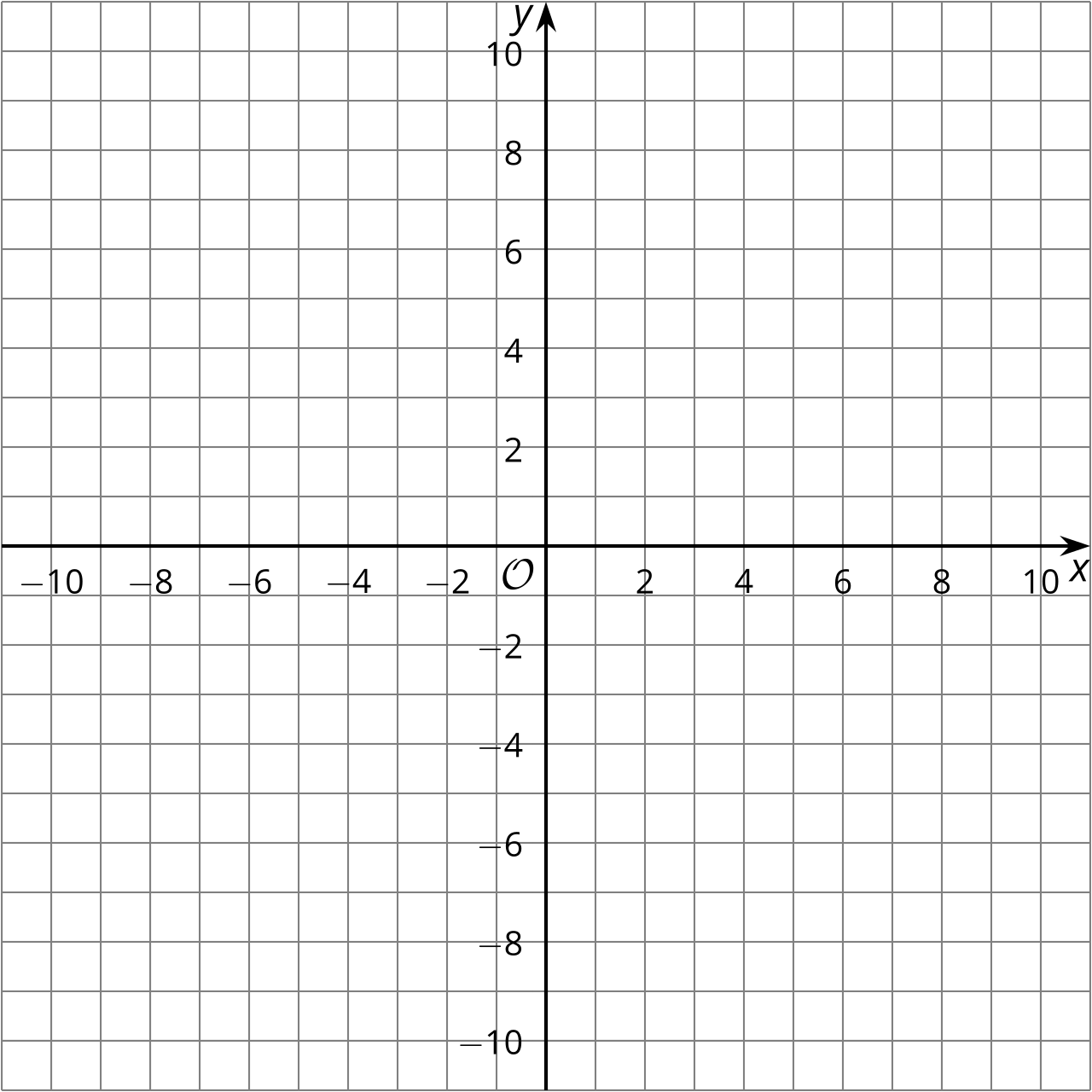
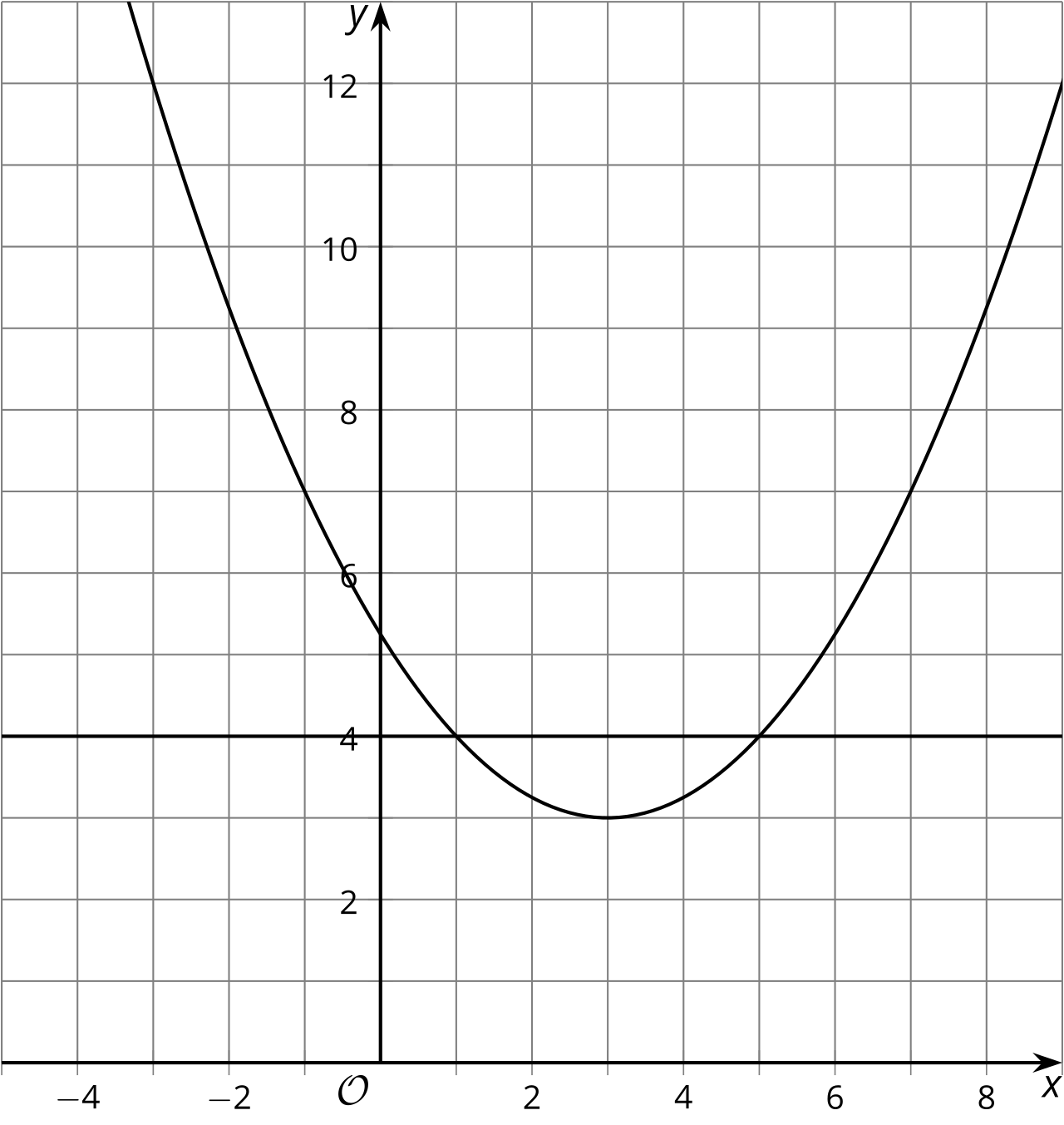
### Lesson 13 Practice Problems

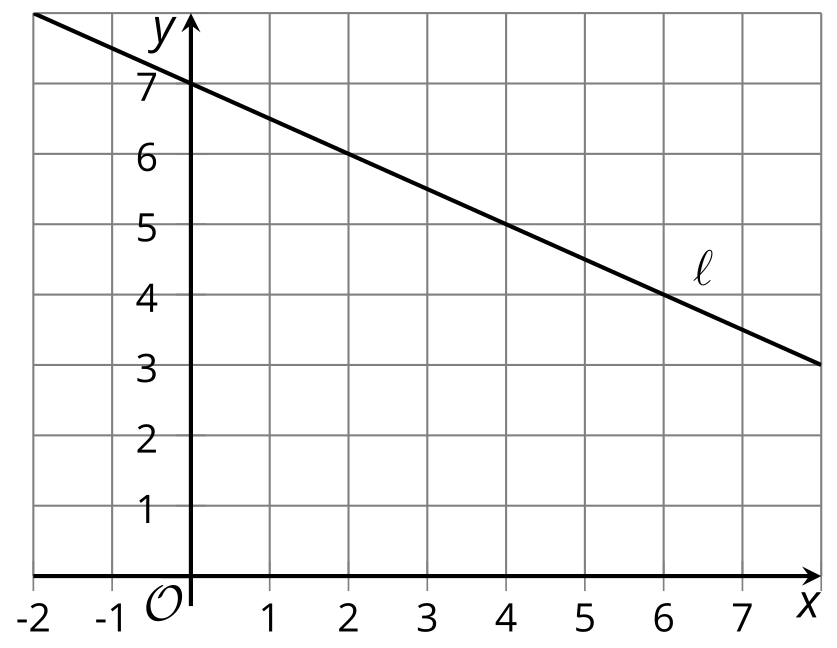
1. Graph the equations and . Where do they intersect?

* 

1. Select **all** equations for which the point  is on the graph of the equation.
2. The image shows a graph of the parabola with focus and directrix , and the line given by . Find and verify the points where the parabola and the line intersect.

* 

1. Here is a line . Write equations for and graph 4 different lines perpendicular to  .

* 
* (From Unit 6, Lesson 12.)

1. Write an equation whose graph is a line perpendicular to the graph of  and which passes through the point .

* (From Unit 6, Lesson 12.)

1. Select **all** lines that are perpendicular to .

* (From Unit 6, Lesson 11.)

1. Select the line parallel to .

* (From Unit 6, Lesson 10.)

1. Explain how you could tell whether  is a perfect square trinomial.

* (From Unit 6, Lesson 5.)



© CC BY 2019 by Illustrative Mathematics®