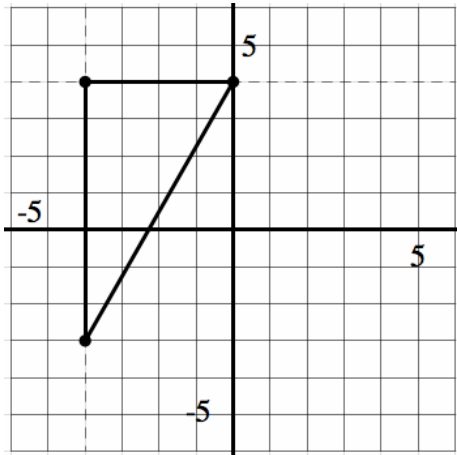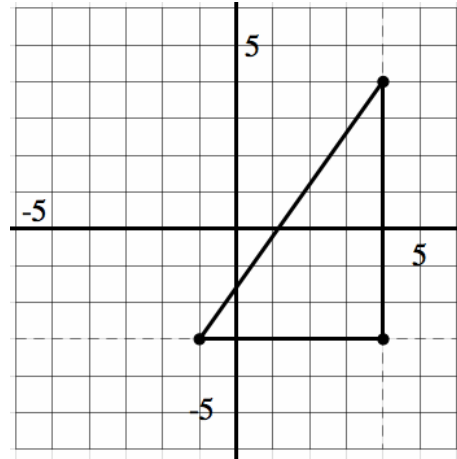**Ready, Set, Go!**

Ready

Topic: Finding Distance using Pythagorean Theorem

Use the coordinate grid to find the length of each side of the triangles provided.
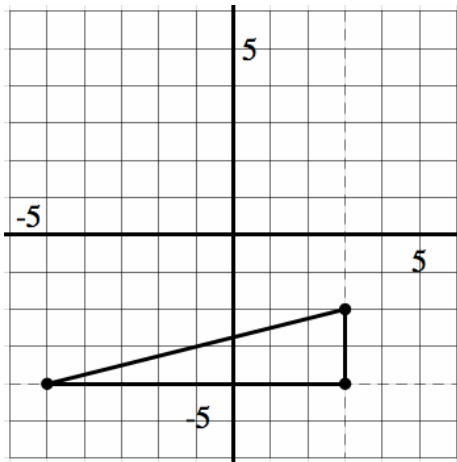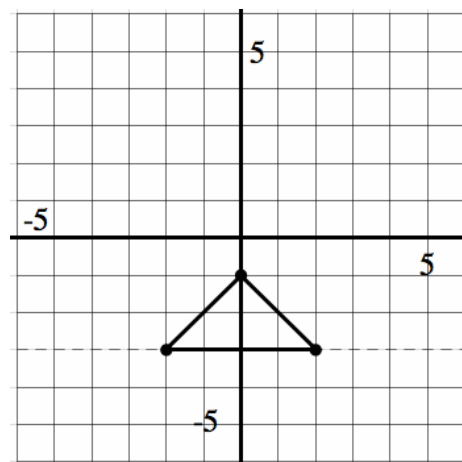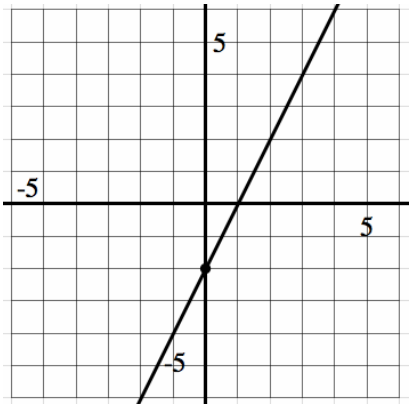
1.

2.

3.

4.

Set

Topic: Slopes of parallel and perpendicular lines.

Graph what is described for each graph.

5.

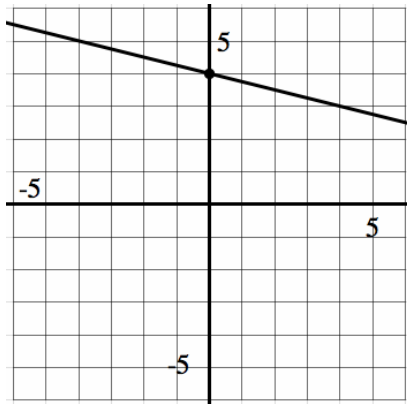Graph a line parallel to the given line.

Equation for given line:

Equation for new line:

6.

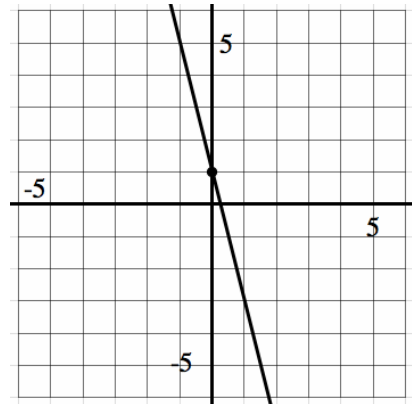Graph a line parallel to the given line.

Equation for given line:

Equation for new line:
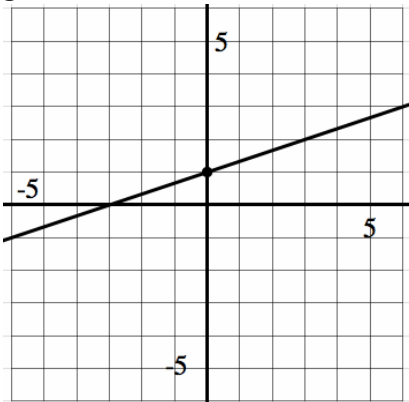
7.

Graph a line parallel to the given line.

Equation for given line:

Equation for new line:

8.

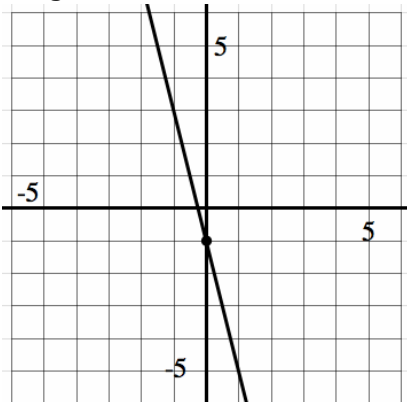Graph a line perpendicular to the given line.

Equation for given line:

Equation for new line:

9.

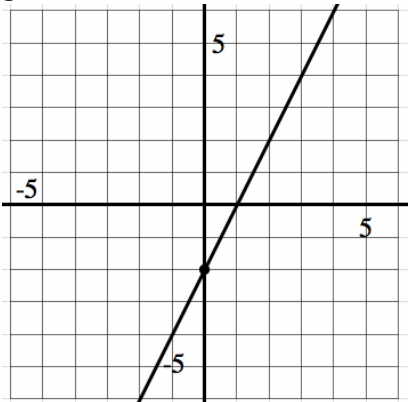Graph a line perpendicular to the given line.

Equation for given line:

Equation for new line:

10.

Graph a line perpendicular to the given line.

Equation for given line:

Equation for new line:

Go

Topic: Solve the following equations.

Solve each equation for the indicated variable.

11.

$3(x-2) = 5x+8$ solve for x.

12.

$-3+n = 6n+22$ solve for n.

13.

$y-5 = m(x-2)$ solve for x.

14.

$Ax + By = C$ solve for y.