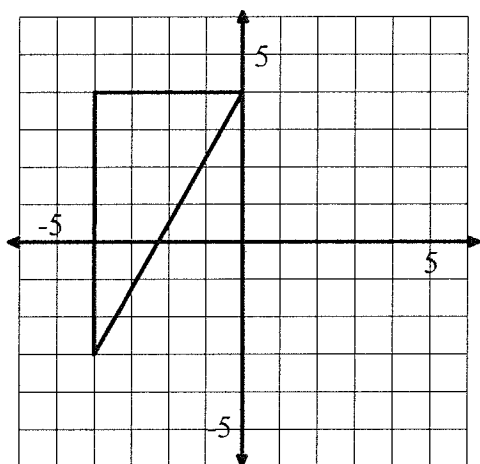# Ready, Set, Go!

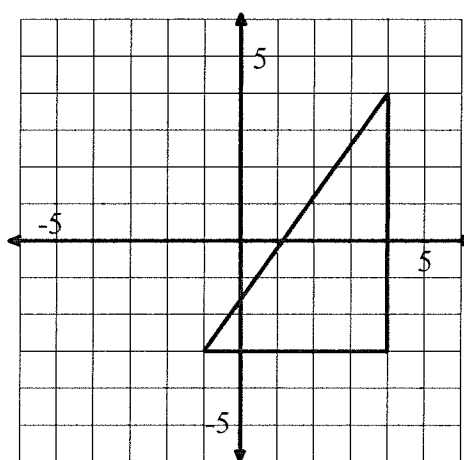©2012 www.flickr.com/photos/juggernautco/

Ready
Topic: Finding Distance using Pythagorean Theorem

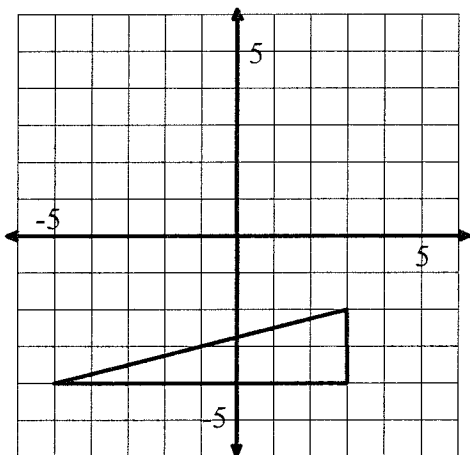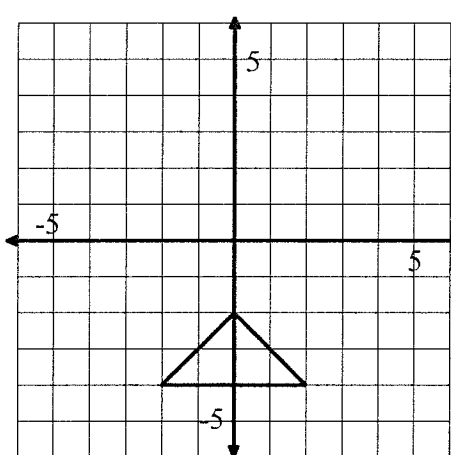**Use the coordinate grid to find the length of each side of the triangles provided.**

1.

2.

3.

4.

Set
Topic: Slopes of parallel and perpendicular lines.

5. Graph a line *parallel* to the given line.
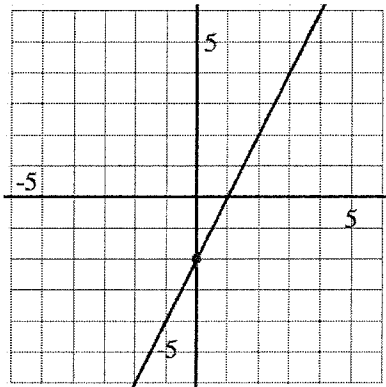
Equation for given line:

Equation for new line:

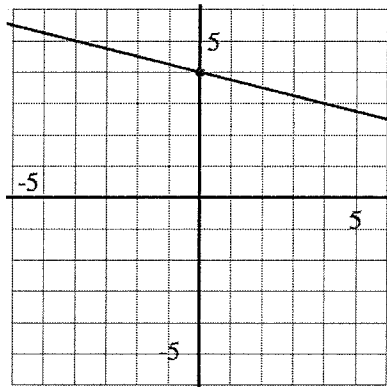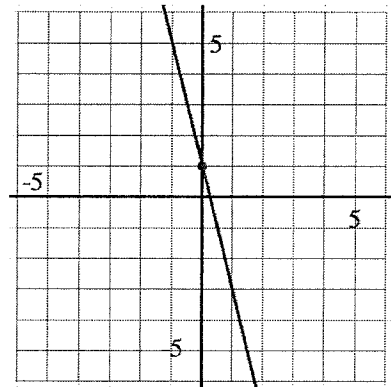6. Graph a line *parallel* to the given line.

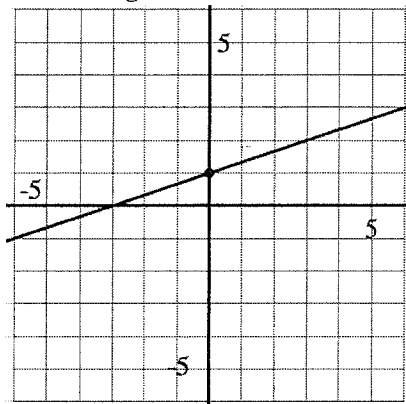Equation for given line:

Equation for new line:

7. Graph a line *parallel* to the given line.

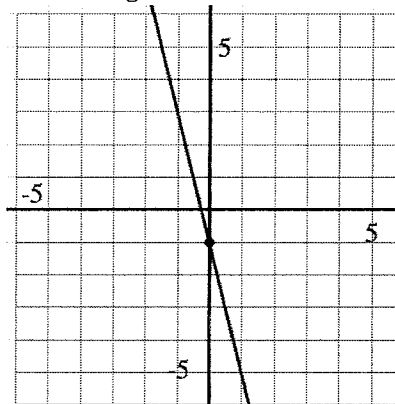Equation for given line:

Equation for new line:

8. Graph a line *perpendicular* to the given line.

Equation for given line:
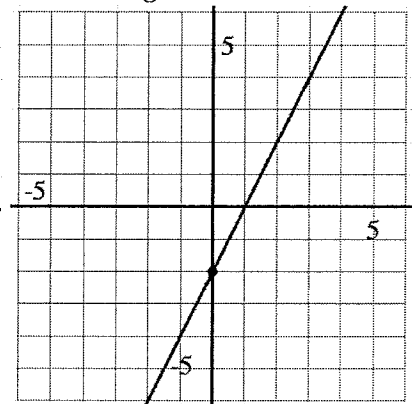
Equation for new line:

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.