

READY, SET, GO!

Name \_\_\_\_\_

Period \_\_\_\_\_

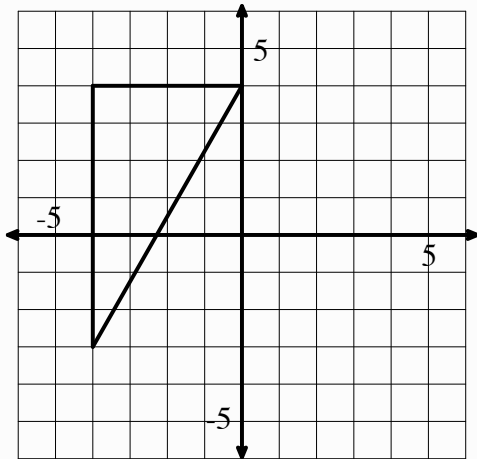
Date \_\_\_\_\_

### READY

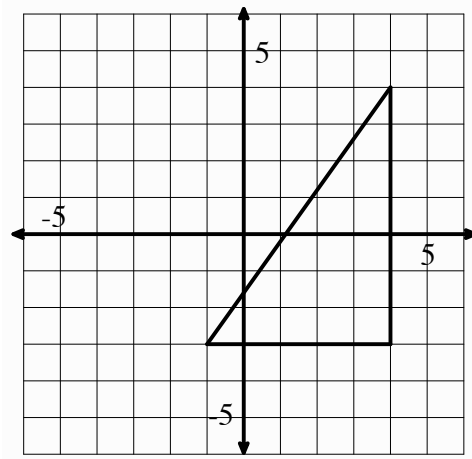
Topic: Finding Distance using Pythagorean Theorem

Use the coordinate grid to find the length of each side of the triangles provided. Give answers in exact form and where necessary rounded to the nearest hundredth.

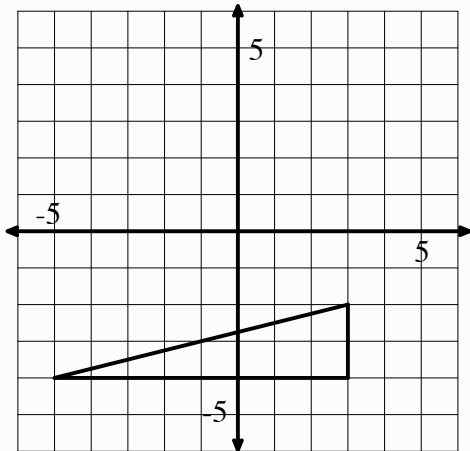
1.



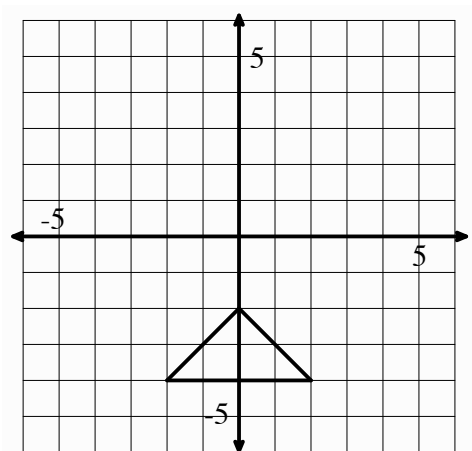
2.



3.



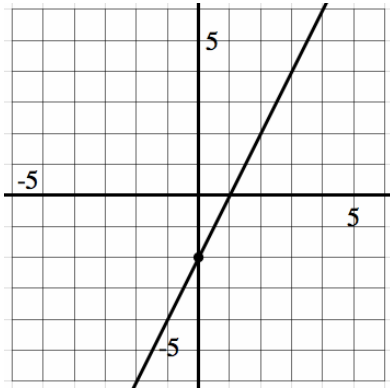
4.



**SET**

Topic: Slopes of parallel and perpendicular lines.

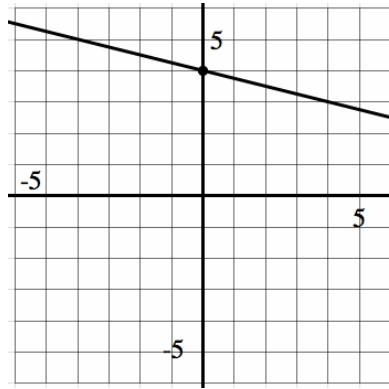
5. Graph a line *parallel* to the given line.



Equation for given line:

Equation for new line:

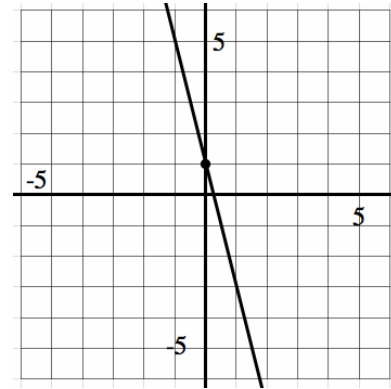
6. Graph a line *parallel* to the given line.



Equation for given line:

Equation for new line:

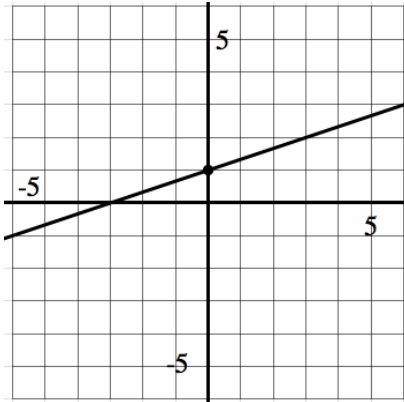
7. Graph a line *parallel* to the given line.



Equation for given line:

Equation for new line:

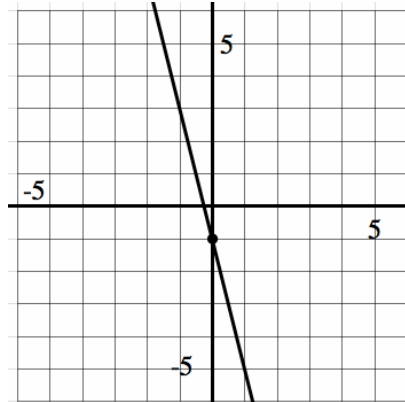
8. Graph a line *perpendicular* to the given line.



Equation for given line:

Equation for new line:

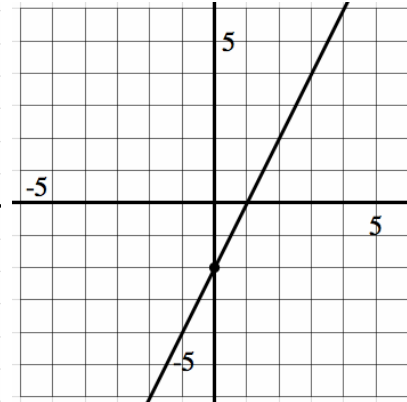
9. Graph a line *perpendicular* to the given line.



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  $y$ .