Module 2: Topic 1 Lesson 2 (Jack and Jill) Assignment

1) Maximilian is cleaning shrimp. __He cleans 4 shrimp every minute__.

   a. Is the relationship proportional or non-proportional? Explain.

   b. What is the unit rate of this relationship? Explain.

   c. Write an equation that determines the number of shrimp cleaned, Y, given the number of minutes, X.

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2) Does this represent a proportional or non-proportio relationship?

               Yes   No

Explain _____

Write an equation in the form

$y = mx$ or $y = mx + b$

Equation:_____

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3) Does this represent a proportional or non-proportional relationship?
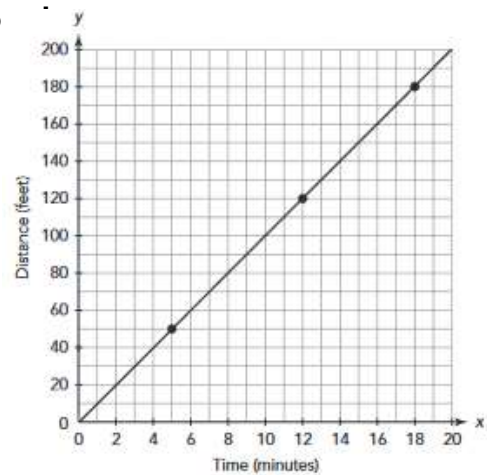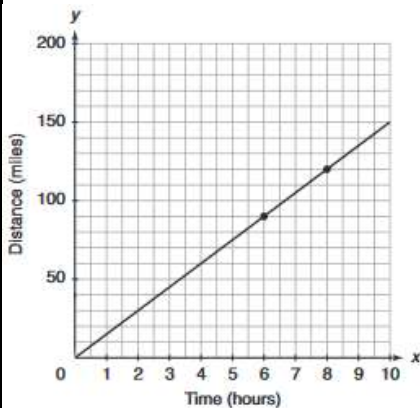
          Yes   No

Explain _____

Write an equation in the form
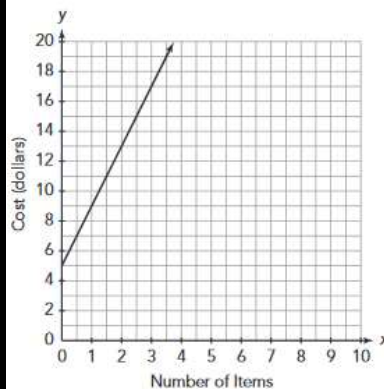
$y = mx$

or

$y = mx + b$

Equation:_____

4) Does this represent a proportional or non-proportional relationship?

          Yes   No

Explain _____

Write an equation in the form

$y = mx$

or

$y = mx + b$

Equation:_____

5) Does this represent a proportional or non-proportional relationship?
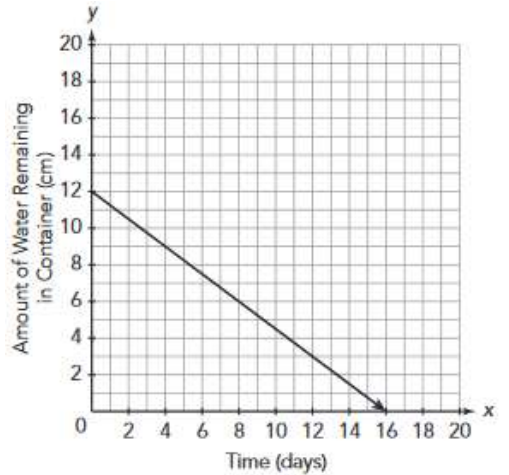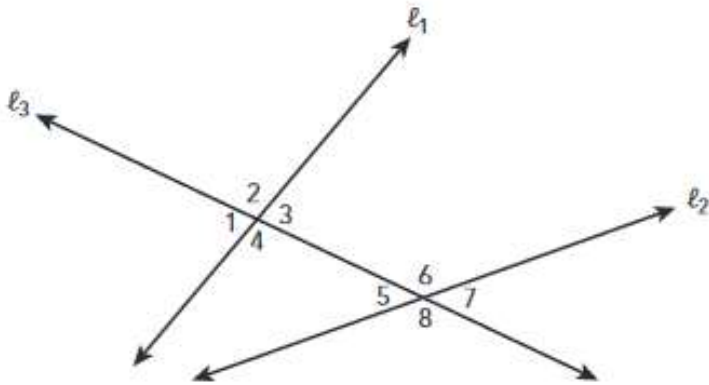
Yes   No

Explain _____

Write an equation in the form

$y = mx$ or $y = mx + b$

*Equation:*_____

Amount of Water Remaining in Container (cm) vs. Time (days)

Review

1. Determine whether each equation represents a proportional relationship.

   a. $y = 2.5x$

   b. $y = x - 4$

2. Examine the figure shown.

   a. Name 2 pairs of same-side interior angles.
   b. Name 2 pairs of congruent angles.
   c. Name 2 pairs of supplementary angles.

3. In the diagram shown, line s and line t are parallel. Determine the measures of all the angles.

$(150 + 3x)°$

$(2x + 70)°$