

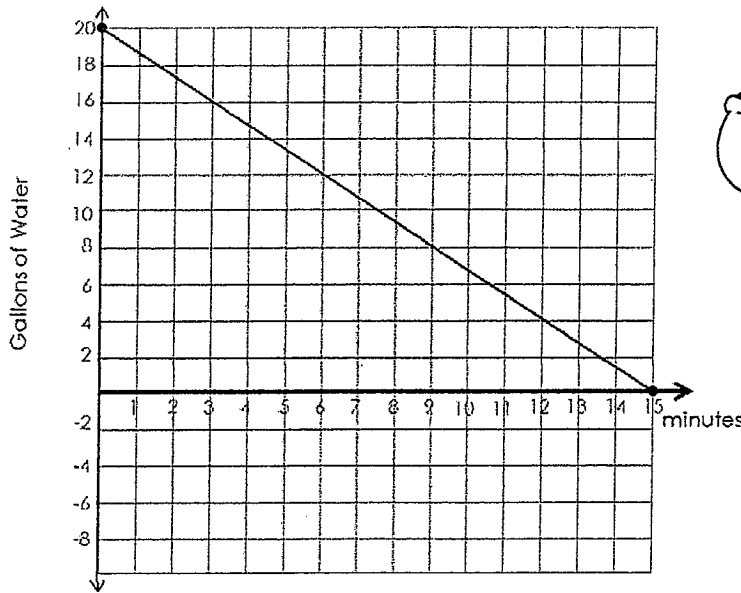
Name _____

Interpreting Slopes and Intercepts

IN ADDITION: Complete p.182 #5-12, 16, and 24 on the back of this worksheet.

The Bath Tub

Billy Bob has an ancient bathtub that drains slower than the dickens. He filled up his tub and then let the water drain out to see how long it would take to drain. The graph below represents the number of gallons of water remaining in the tub and the time in minutes.



Use the graph to answer the questions below.

- 1) How many gallons of water are in Billy Bob's tub after 6 minutes? _____
- 2) What is the slope of the line? _____
- 3) What do the numbers in the slope represent in the context of the problem?

- 4) What is the x-intercept? (____, ____)
- 5) What do the values (x, y) of the x-intercept mean in the context of the problem?

- 6) What is the y-intercept? (____, ____)
- 7) What do the values (x, y) of the y-intercept mean in the context of the problem?
