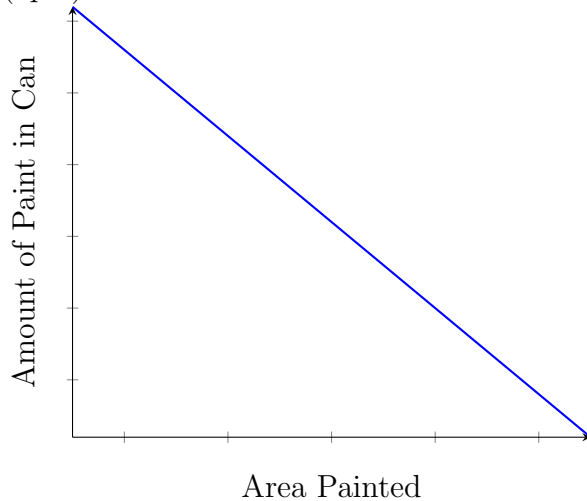Name:_____   /18

You may not use anything except a pencil and a scientific calculator for this quiz; clear off any other items from your desk. Read the directions on each problem, they are meant to help you :). Show your work for each step of the problem, no work equals no credit. The problems on this quiz vary in complexity and length, so use your time wisely. Work on the problems you know how to do to start and go back to the harder ones later. GOOD LUCK!!

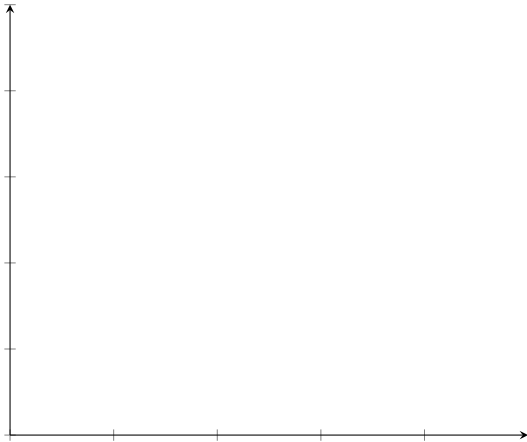What are the variables in the graph? Describe how the variables are related on the graph.

1. (3pts)

Area Painted

    X Variable:
    Y Variable:

2. (3pts) Sketch a graph to represent the situation. Label your axes.
   Your distance from the ground as you ride a Ferris wheel.

For each table, determine whether the relationship is a linear function. Then represent the relationship using words and an equation.

3. (3pts)

x	y
0	5
1	8
2	11
3	14

Function: Yes   No

Words:

Equation:

4. (3pts)

x	y
0	8
1	10
2	12
3	14

Function: Yes   No

Words:

Equation:

Write a function rule to represent each situation.

5. (3pts) 2.5 more than the quotient of h and 3 is w

6. (3pts) The total cost C for p pounds of copper if each pound costs 3.57