

# Homework Week of Dec. 2

Calculate the slope given two points.

1.) (4, 20) (8, 10)

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2.) (-4, 24) (-1, -6)

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Write an equation of a line given two points.

3.) (-3, -11) (2, 4)

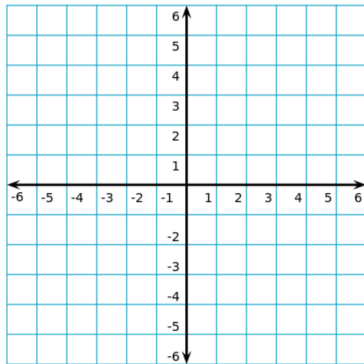
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4.) (5, 14) (-2, 28)

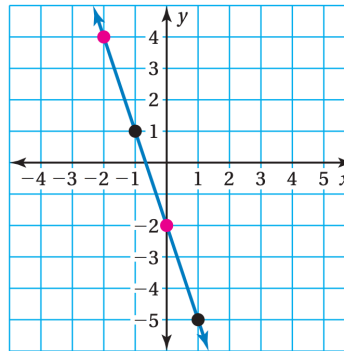
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Graph the linear equation in Question 5 and write the equation of the line in Question 6.

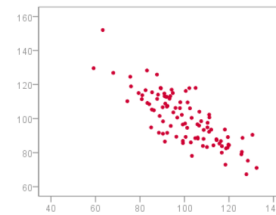
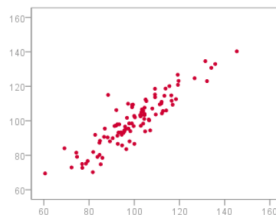
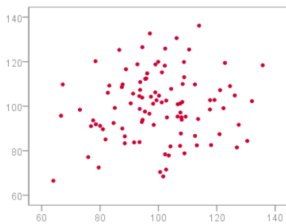
5.)  $y = \frac{2}{3}x - 4$



6.) \_\_\_\_\_



Describe the correlation as being either positive, negative, or no correlation given the data below.



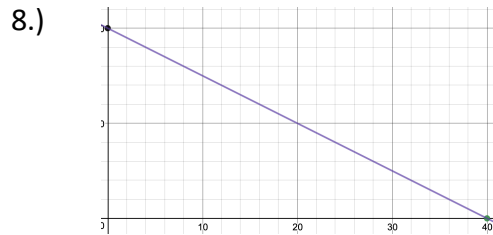
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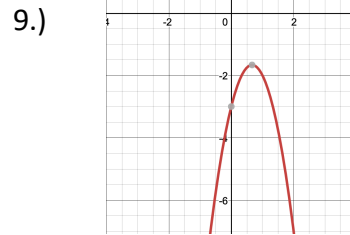
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7.) If the height of a tree increases as the years since it's been planted increase, it will have a \_\_\_\_\_ correlation.

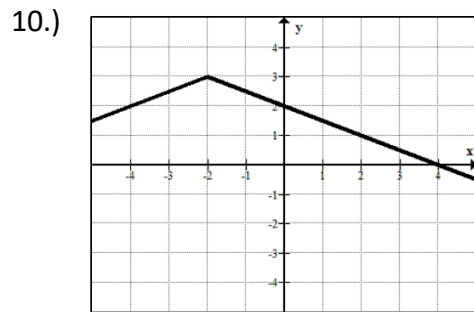
Determine the function family each graph belongs to.



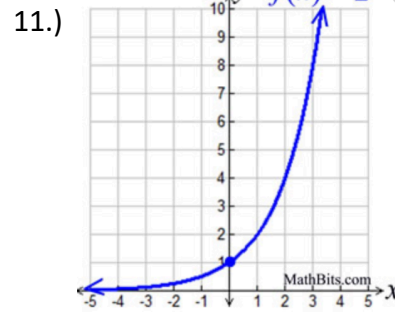
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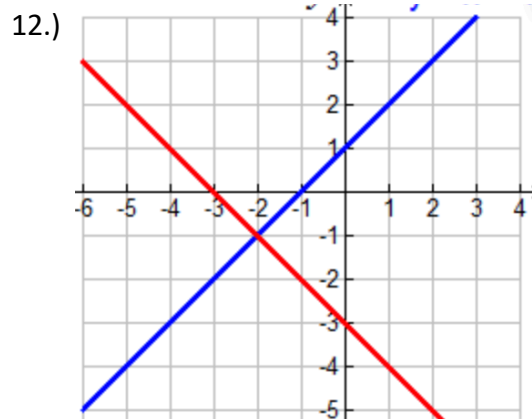


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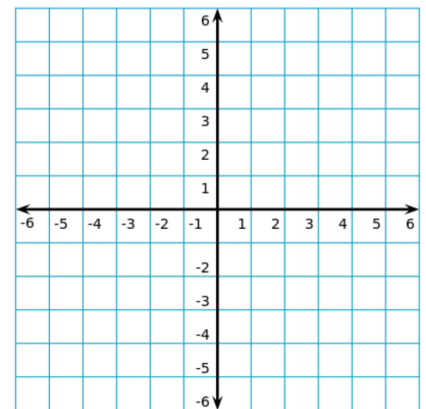
Determine the solution to the systems below.



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13.) 
$$y = 2x + 4$$
  

$$y = -\frac{1}{3}x - 3$$



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