Unit 2 Review

Identify each of the equations as being in slope-intercept form, point slope form or neither.

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| y = 3x + 2 | y - 1 = 2(x + 3) | 8x - 2y = 16 |

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| The rate of change is constant in the table.  Find the rate of change.  Explain what the rate of change means.   |  |  | | --- | --- | | People | Cost | | 2 | 8.00 | | 3 | 12.00 | | 4 | 16.00 | | Rate of Change\_\_\_\_\_\_\_\_\_\_  What does the rate of change mean? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| --- | --- |
| What is the slope of the line? | m = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Use the slope formula to find the missing coordinate  (-6, 0) and (1,y)  m = | Missing coordinate: \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Write an equation of the line with the given slope and y-intercept.  m= 2/9  b = 3 | Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Graph y= 1/2x + 4 | http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg |
| Write the equation of the line | Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| |  |  | | --- | --- | | **X** | **Y** | | **-2** | **5** | | **-4** | **10** | | **-6** | **15** | | **-8** | **20** | | **-10** | **25** | | Linear? Yes No  m = \_\_\_\_\_  y-intercept = \_\_\_\_\_  equation y = mx + b: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Determine if each ordered pair is a solution to the function. f(x) = -3x + 2     |  |  |  | | --- | --- | --- | | Ordered Pair | Work or Explanation | Solution? | | (0, 0) |  |  | | (0,1) |  |  | | (2,5) |  |  | | (-2, -3) |  |  | | |
| A line passes through the given points. Write an equation in point slope form.  (8, –2), (14, 1) | Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Graph the equation y-5 = ½( x-2) | http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg |
| Identify the slope and a point from the given equation.  y – 2 = (x – 3) | M = \_\_\_\_\_\_\_\_\_\_\_\_  Point:\_\_\_\_\_\_\_\_\_\_\_ |