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 = $\frac{8}{7}$ | Missing coordinate: \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Write an equation of the line with the given slope and y-intercept. m= 2/9b = 3 | Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Graph y= 1/2x + 4 | http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg |
| Write the equation of the line | Equation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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|  |  |
| --- | --- |
| **X** | **Y** |
| **-2** | **5** |
| **-4** | **10** |
| **-6** | **15** |
| **-8** | **20** |
| **-10** | **25** |

 | Linear? Yes Nom = \_\_\_\_\_y-intercept = \_\_\_\_\_equation y = mx + b: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Determine if each ordered pair is a solution to the function. f(x) = -3x + 2

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| --- | --- | --- |
| 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:\_\_\_\_\_\_\_\_\_\_\_ |