6-4 Point Slope Form (Part 2)

I can write a linear equation in point slope form from a table and a graph.

I can identify linear relationships from a table.

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| Is the relationship shown by the data linear? If it is, model the data with an equation. | Is the relationship shown by the data linear? If it is, model the data with an equation. |
| Write an equation of the line in point-slope form. | Graph the equation y-5 = ½( x-2)  http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg |

Point Slope Practice 2

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| Is the relationship shown by the data linear? If it is, model the data with an equation. | Is the relationship shown by the data linear? If it is, model the data with an equation. |
| Write an equation of the line in point-slope form. | Write an equation of the line in point-slope form. |

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| Graph the equation y + 2 = -3/2( x + 3)  http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg | Graph the equation y - 1 = -( x + 3)  http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg |

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| Graph the equation y - 4 = -2( x - 2)  http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg | Graph the equation y + 2 = -1/2( x + 3)  http://www.pleacher.com/mp/mgifs/gifs2/grapha.jpg |
| Write an equation of a line with slope -8 and passes through the point (-2,-5) | Identify the slope and a point from the given equation.  y + 3 = -(x – 5) |
| Find the slope and y-intercept of the equation.  6y – 12 = 3x | Find the slope of the line through each pair of points.  (-2,3) and (4,-5) |