6-2 Slope intercept form of a linear equation

I can write equations in slope intercept form and graph linear equations.

Slope intercept form:

Linear equation:

y-intercept:

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| Identify the y- intercept | Identify the y- intercept |

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| Find the slope and y-intercept of the equation.  2y – 6 = 3x | Find the slope and y-intercept of the equation.  y = 1/2 | | Find the slope and y-intercept of the equation.  y – 2 = 3x | |
| Write an equation of the line with the given slope and y-intercept.  m= 2/9  b = 3 | | Write an equation of the line with the given slope and y-intercept.  m= 3  b = 2/9 | |

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| Write the equation of the line | Write the equation of the line |
| Graph y= 3/2x -2  14 by 14 axes | Graph y= 1/3x +2  14 by 14 axes |

Slope Intercept Form and Practice

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| Find the slope and y-intercept of the equation.  y= -2x +1 | Find the slope and y-intercept of the equation.  y = 7/6x -3/4 |
| Find the slope and y-intercept of the equation.  2y + 4 = -6x | Find the slope and y-intercept of the equation.  y – 9x = ½ |

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| Write an equation of the line with the given slope and y-intercept.  m= 2/9  b = 3 | Write an equation of the line with the given slope and y-intercept.  m= 3  b = 2/9 |
| Write an equation of the line with the given slope and y-intercept.  m= 1/2  b = .7 | Write an equation of the line with the given slope and y-intercept.  m= 2  b = -6 |

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| Write the equation of the line | Write the equation of the line |

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| Graph y= 1/2x + 4  14 by 14 axes | Graph y= -5x + 2  14 by 14 axes |
| Graph y= -x + 2  14 by 14 axes | Graph y= -5x  14 by 14 axes |
| Graph y= x  14 by 14 axes | Graph y= 3  14 by 14 axes |