Week 12 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework: Monday, November 14, 2016**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺ NO WORK! NO CREDIT!***

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| 1. President Obama is throwing a fundraising dinner. Each guest pays $250 to attend the dinner, but each dessert is $15 extra. Jimmy spent $270 on himself, how many desserts did he buy?  . | Solve for the variable: |
| Write an equation and solve.  Jupiter has 18 moons. This is 2 times more moons than Neptune. How many moons does Neptune have? | Write an equation and solve.  If Kathy earns seven dollars per hour for a total of $21, how many hours did she work? |

**Homework: Tuesday, November 15, 2016**

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| **Identify the slope and y – intercept of each equation.**      **m = \_\_\_\_\_\_\_\_ b= \_\_\_\_\_\_\_**      **m = \_\_\_\_\_\_\_\_ b= \_\_\_\_\_\_\_**      **m = \_\_\_\_\_\_\_\_ b= \_\_\_\_\_\_\_** | Write the equation for the linear functions graphed below.  **a)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| The distance between Little Rock and Benton is 24 miles. That is triple the distance between Little Rock and Maumelle. What then is the distance between Little Rock and Maumelle? | Bruce rents snowmobiles to tourists. He charges $135 for 4 hours and $202.50 for 6 hours. What is the hourly rate Bruce charges to rent a snowmobile? |

**Homework: Wednesday, November 16, 2016**

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| A car rental company charges $39.99 per day plus $0.20 per mile. Jill rented a car for one day and the charges were $47.39, before tax. Use *m* for number of miles. Write an equation. Find how many miles Jill drove. | Graph the equation  [image] |
| Simplify:  Write the equivalent fraction for 0 |
| You go to the fair and it costs $5 to get inside. Then you buy 2 ticket booklets. You spent $25. How much did each booklet cost? | Solve for the variable: |

**Homework: Thursday, November 17, 2016**

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| Convert the following linear equations to slope intercept form. (y = mx + b)  a.) 6x + 2y = -2 b.) 32 –4y = 20x | Simplify the following expressions:  A. B. |
| Laura can purchase 10 notebooks and a $7 pack of pens for the same price as 8 notebooks, a $5 pack of pens, and a $10 backpack. How much does each notebook cost? | Johnny bought 4 t-shirts for the same price and a tie for $8. James bought one of the same t-shirts and spent $14 on a pair of socks. If they each spent the same amount of money, how much did each t-shirt cost? |