Week 10 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **Homework: Tuesday, November 1, 2016**

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

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| Determine whether the graph for the following shows a positive, negative, zero, or no slope.  | What is the range of relation: (1,9), (-3, 5), (5, 11), (-6, -7)Range: { }What is the domain?Domain: { } |
| Determine the slope of the graph for the following. |  Ms. Barbour is purchasing balloons for a party for her mom’s birthday. Each spherical balloon is inflated with helium. How much helium is in the balloon if the balloon has a **radius** of 9 centimeters? Round to the nearest tenth. **\_\_\_\_\_\_\_\_\_\_\_\_**Express your rounded answer to the previous question in scientific notation. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **Cleo’s baby pool has a leak. The scatter plot shows the amount of water left in the pool at the end of each 5-minute segment**CCSS_C3_Ch9_L2_PS_2.jpg**.** Write an equation in slope-intercept form for the line that is drawn. \_\_\_\_\_\_\_\_\_\_\_\_\_ Use the equation you wrote in problem one to make a conjecture about the amount of water left in the pool after 40 minutes. \_\_\_\_\_\_\_\_\_\_\_  |

 **Homework: Wednesday, November 2, 2016**

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| Solve each equation and CHECK YOUR ANSWER:$5(x - 3) + 2x = 41$ x = $4a - 3(a - 2) = 2(3a - 2)$ a =  | Identify the slope and the y-intercept:2x – 3y = 6 slope = \_\_\_ y-int = \_\_\_ |

 **Homework: Thursday, November 3, 2016**

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|  Videl watched 6 times as many hours of television over the weekend as Dineen. Together they watched a total of 14 hours of television. How many hours of television did each person watch over the weekend? Write and solve a system of equations that represents this situation. You can use substitution or graphing. | The function *d* = 18*g* describes the distance d that Rick can drive his truck on g gallons of gasoline. Graph this function. Why is it sufficient to graph this function in the upper right quadrant only? How far can Rick drive on 2.5 gallons of gasoline?CCSS_C3_Ch4_L4_PS1.jpg |
| What is the value of 0.$\overbar{36 }$· $\frac{11}{2}$ ?(Hint: Turn the repeating decimal into a fraction first.)  | Identify the slope and the y-intercept:y = 1/2x -3 slope= \_\_\_ y-int= \_\_\_2x – 3y = 6 slope = \_\_\_ y-int = \_\_\_CCSS_C3_Ch3_L2_HW2.jpg slope = \_\_\_ y-int = \_\_\_ |