**Monday: State the *x*- & *y*-intercepts of the function. 1. −***x* – *y* = $\frac{1}{2}$ x-int = \_\_\_\_\_\_\_\_\_\_\_ y-int = \_\_\_\_\_\_\_\_\_\_\_\_

**Write an equation in point-slope form & slope-intercept form for each line.**

**2.** passes through (–5, 6), slope = 3 **3.** passes through (6, –6), slope = 5 **4.** passes through (0, 1) and (2, 5)

**5. Write the point-slope form of an equation for the line graphed.** 

**6. TEMPERATURE** The table shows the temperature at certain hours. Assuming the temperature change is linear, write
 an equation in point-slope form to represent the temperature *y* at *x* hour.

|  |  |
| --- | --- |
| **Hour** | **Temperature****(°F)** |
| 1 | 35 |
| 2 | 39 |

**Tuesday: Write an equation in point-slope form & slope-intercept form for each line.**

**1.** passes through (–5, 9) and (1, 3) **2.** passes through (1, –1) and (2, 0) **3.** passes through (–3, –5), slope = 2

**4. Write the point-slope form of an equation for each line graphed.** 

**5. SPEED** After 2 hours, a car travels 70 miles. After 2.25 hours in the same trip, the car travels 78.75 miles. Write an
 equation in point-slope form to represent the distance *y* of the car after *x* hours.

**Thursday: Solve each system of equations by graphing.**

 **1.** *y* = 3*x* + 4 **2.** *y* = 10 + 6*x*

 *y* = -*x* – 4 *y* = 6*x*





**Write and solve a system of equations that represents each situation. Interpret the solution.**



 **3. BASKETBALL** Alonzo and Miguel scored a total of 54
 points in the basketball game. Miguel scored four more
 points than Alonzo.



 **4. AGES** Morgan is 15 years younger than Mrs. Santos. Their
 combined age is 44.



 **5. ANIMALS** The total number of cats and dogs at the shelter
 is 125. There are 5 more cats than dogs.



 **6. PING-PONG** Jenny won the ping-pong championship
 eight more times than Gerardo. They have won a
 combined total of 32 championships.