**Lesson 6 Homework Practice**

***Write Linear Equations***

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

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

 **3.** passes through (0, 1) and (2, 5) **4.** passes through (–5, 9) and (1, 3)

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

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



 **7. 8.**



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

 **9. 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.

 **10. 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.