Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Warm Up**

1. The function $f\left(x\right)=-.5x+34$ models the height of a river receding x feet per day.
2. Identify the slope of the function: \_\_\_\_\_\_
3. Identify the y-intercept of the function: \_\_\_\_\_\_\_
4. What is the meaning of the slope?
5. What is the meaning of the y-intercept?
6. What is the height of the river after 1 week? (BE CAREFUL)
7. A line $y=mx+b$ passes through (2, 7) and is parallel to $y=5x+6$. What is the value of **b** of the new equation?
8. At Turner Field, hot dogs cost $2.25 and drinks cost $1.75. The total cost, T, for hot dogs (h) and drinks (d) can be described by the equation $T=2.25h+1.75d.$ Solve the equation for **d**.
9. If the midpoint of a line is (3,4) and one of the end points is (1,1) what is the coordinates of the other endpoint?