

Appendix C: Activity 3 – Ticket to Homework

Name: _____

Math 8 | Ticket to the Homework

Point-Slope Form of a Linear Equation

1) Write the equation of a line that has a slope of 2 and passes through (5,-2).

2) Now, **you** pick a point (x, y). (Pro-tip: For clean answers, make x and y integers.)

a) My point is (_____, _____)

b) Write the equation of a line that has a slope of 3 and passes through the point you chose.

3) Write the equation of a line that passes through the points $(-3, 1)$ and $(-2, -1)$.

4) **Challenge!!** (If you want to challenge yourself, try this problem!)

Elsa can make temperatures drop at a rate of 6° F per second. We know that at 6 seconds, the temperature is 32° F. Explain how would you write an equation of a line to model this situation?