

Algebra II, Quiz 4.5-5.1

1. For each of the formulas below, is y directly proportional to x ? If so, give the constant of proportionality. If not, justify your answer.

a) $y = -7x + 2x$

b) $y = 3(x + 2)$

c) $y = 9/x$

2. Identify the slope and y -intercept and graph the function using a ruler on a separate sheet of paper:

a) $f(x) = 240 - 24x$

b) $f(x) = \frac{30 - 3x}{4}$

c) $f(x) = 16 - 2(3 - 2x)$

3. Describe how to determine the slope of a linear function from its graph.

4. Describe how to determine the y -intercept of a linear function from its graph.