

# Lines: Lesson 3

## Advanced Slope: Worksheet 1

Name: \_\_\_\_\_



Find the slope and equation of the line between these points:

$(-40, 7)$   $(-40, 17)$

$(1, 8)$   $(-36, 8)$

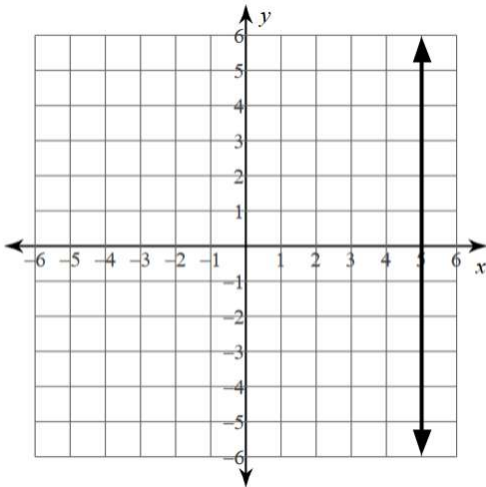
slope: \_\_\_\_\_

slope: \_\_\_\_\_

equation: \_\_\_\_\_

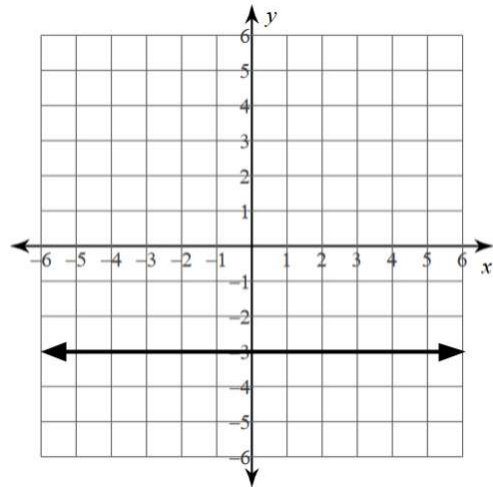
equation: \_\_\_\_\_

Find the slope and equation of these lines:



slope: \_\_\_\_\_

equation: \_\_\_\_\_



slope: \_\_\_\_\_

equation: \_\_\_\_\_

Are these 3 points on the same line?

$(-4, 6)$   $(0, 10)$   $(4, 12)$

$(6, -5)$   $(-2, 1)$   $(-6, 4)$

Find  $a$ .

$$(-7, -4) (6, a) \text{ slope: } \frac{-1}{4}$$

$$(3, -4) (a, 5) \text{ slope: } -1$$