Answer key

The method: Slope from two points

Slope = (change in y) ÷ (change in x) = $(y_2 - y_1) \div (x_2 - x_1)$.

$(-6, -6)$ and $(-3, -3)$: slope $= 1$

$$\frac{-3-(-6)}{-3-(-6)} = \frac{3}{3} = 1$$ change in y over change in x

Problems 1 and 2 worked out · Version 0A

$(-9, -9)$ and $(0, -6)$: slope $= \frac{1}{3}$

$$\frac{-6-(-9)}{0-(-9)} = \frac{3}{9} = \frac{1}{3}$$ change in y over change in x

$(-7, -7)$ and $(0, -4)$: slope $= \frac{3}{7}$

$$\frac{-4-(-7)}{0-(-7)} = \frac{3}{7} = \frac{3}{7}$$ change in y over change in x

Slope from two points · Version 0A

1) $\frac{1}{3}$ 2) $\frac{3}{7}$ 3) $\frac{3}{7}$ 4) -2 5) $-\frac{10}{13}$ 6) $-\frac{1}{7}$ 7) $\frac{2}{3}$

8) $\frac{5}{7}$ 9) $-\frac{2}{11}$ 10) $\frac{17}{4}$ 11) $\frac{5}{9}$ 12) $-\frac{1}{4}$ 13) $\frac{13}{11}$

14) -5 15) $-\frac{1}{8}$ 16) -7 17) 5