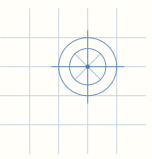


Slope and y-intercept — Fractional slope from two points



Name: _____

Date: _____

Find the slope through each pair of points, in lowest terms.

① $(-2, 6)$ and $(6, 3)$ $m = -\frac{3}{8}$

② $(2, 1)$ and $(8, 2)$ $m = \underline{\hspace{2cm}}$

③ $(-4, 5)$ and $(3, 8)$ $m = \underline{\hspace{2cm}}$

④ $(3, -2)$ and $(7, -4)$ $m = \underline{\hspace{2cm}}$

⑤ $(-2, 5)$ and $(2, 10)$ $m = \underline{\hspace{2cm}}$

⑥ $(-1, 0)$ and $(4, 3)$ $m = \underline{\hspace{2cm}}$

⑦ $(1, 3)$ and $(3, -2)$ $m = \underline{\hspace{2cm}}$

⑧ $(1, 2)$ and $(5, -5)$ $m = \underline{\hspace{2cm}}$



Slope and y-intercept · Fractional slope from two points — Answer key



- | | | | |
|--|---|--|---|
| 1. $(-2, 6)$ and $(6, 3) \rightarrow m = -\frac{3}{8}$ | 2. $(2, 1)$ and $(8, 2) \rightarrow m = \frac{1}{6}$ | 3. $(-4, 5)$ and $(3, 8) \rightarrow m = \frac{3}{7}$ | 4. $(3, -2)$ and $(7, -4) \rightarrow m = -\frac{1}{2}$ |
| 5. $(-2, 5)$ and $(2, 10) \rightarrow m = \frac{5}{4}$ | 6. $(-1, 0)$ and $(4, 3) \rightarrow m = \frac{3}{5}$ | 7. $(1, 3)$ and $(3, -2) \rightarrow m = -\frac{5}{2}$ | 8. $(1, 2)$ and $(5, -5) \rightarrow m = -\frac{7}{4}$ |