## Finding the Slope

Find the slope based on the given sets of points.

<p>| | |</p>
<table>
<thead>
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Find the slope based on the given sets of points.

### a) (-4, 1) and (2, 2)

\[
\text{rise} = 2 - 1 \quad \text{run} = 2 - (-4)
\]
\[
= 1 \quad = 6
\]
\[
m = \frac{1}{6}
\]

### b) (-2, 5) and (1, -4)

\[
\text{rise} = -4 - 5 \quad \text{run} = 1 - (-2)
\]
\[
= -9 \quad = 3
\]
\[
m = \frac{-9}{3} \quad \text{or} \quad \frac{-9}{3} \quad \text{or} \quad \frac{-3}{1} \quad \text{or} \quad -3
\]

### c) (-2, 1) and (1, -1)

### d) (-1, -1) and (3, -10)

\[
m = \frac{4}{6} \quad \text{or} \quad \frac{2}{3}
\]

### e) (0, 1) and (6, -8)

\[
\text{rise} = -8 - 1 \quad \text{run} = 6 - 0
\]
\[
= -9 \quad = 6
\]
\[
m = \frac{-9}{6} \quad \text{or} \quad \frac{-9}{6} \quad \text{or} \quad \frac{-3}{2}
\]

### f) (0, 1) and (6, -8)

\[
m = \frac{1}{4}
\]

### g) (-3, -2) and (-3, 2)

\[
\text{rise} = 2 - (-2) \quad \text{run} = -3 - (-3)
\]
\[
= 4 \quad = 0
\]
\[
m = \text{undefined}
\]

### h) (6, -3) and (8, -1)

\[
\text{rise} = -1 - (-3) \quad \text{run} = 8 - 6
\]
\[
= 2 \quad = 2
\]
\[
m = \frac{2}{2} \quad \text{or} \quad 1
\]

### i) (-5, 1) and (3, 1)

\[
m = \frac{0}{8} \quad \text{or} \quad 0
\]