1. Find the slope of the line through the points \((-2, -5)\) and \((4, -2)\).

2. Find the slope of the line whose equation is: \(y = \frac{1}{2}x - 6\).

3. Find the slope of the line whose equation is: \(3x + y = 4\).

4. Find the slope of a line that is parallel to: \(3x - y = 4\).

5. Find the slope of a line that is parallel to: \(y - 2x = 5\).

6. Find the slope of a line that is perpendicular to: \(-2x + 3y = 4\).

7. Find the slope of a line that is perpendicular to: \(y = 2x + 1\).

8. Find the slope of a line that is perpendicular to: \(y = x\).
Answers

1. $\frac{1}{2}$

2. $\frac{1}{2}$

3. $-3$

4. 3

5. 2

6. $-\frac{3}{2}$

7. $-\frac{1}{2}$

8. $-1$