Elementary Algebra Skill

Finding the Slope of a Line Parallel to a Given Line

Find the slope of a line parallel to each given line.

1) \( y = -\frac{1}{2}x + 3 \)  
2) \( y = \frac{2}{3}x + 3 \)

3) \( y = 2x - 4 \)  
4) \( y = -\frac{7}{2}x - 4 \)

5) \( x = 4 \)  
6) \( 3x + 5y = 0 \)

7) \( x - 5y = 5 \)  
8) \( 5x - 2y = 2 \)

9) \( 8x + 3y = -12 \)  
10) \( 10 - 5y = 0 \)
## Answers to Finding the Slope of a Line Parallel to a Given Line

1) \(-\frac{1}{2}\)  
2) \(\frac{2}{3}\)  
3) 2  
4) \(-\frac{7}{2}\)  
5) Undefined  
6) \(-\frac{3}{5}\)  
7) \(\frac{1}{5}\)  
8) \(\frac{5}{2}\)  
9) \(-\frac{8}{3}\)  
10) 0