



## Line Segment (Points) - Find Perpendicular Slope (Formula)

1

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (6, 5)

Point B: (8, 1)

$$^A \frac{1 - 5}{8 - 6}$$

$$^B \frac{8 - 6}{1 - 5}$$

$$\frac{8 - 6}{1 - 5}$$

$$\frac{1 - 5}{8 - 6}$$

2

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (2, 3)

Point B: (9, 6)

$$^A \frac{6 - 3}{9 - 2}$$

$$^B \frac{9 - 2}{6 - 3}$$

$$\frac{6 - 3}{9 - 2}$$

$$\frac{9 - 2}{6 - 3}$$

3

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (3, 5)

Point B: (4, 9)

$$^A \frac{4 - 3}{9 - 5}$$

$$^B \frac{9 - 5}{4 - 3}$$

$$\frac{4 - 3}{9 - 5}$$

$$\frac{9 - 5}{4 - 3}$$

4

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (1, 10)

Point B: (5, 7)

$$^A \frac{5 - 1}{7 - 10}$$

$$^B \frac{7 - 10}{5 - 1}$$

$$\frac{5 - 1}{7 - 10}$$

$$\frac{7 - 10}{5 - 1}$$

5

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (4, 5)

Point B: (6, 3)

$$^A \frac{3 - 5}{6 - 4}$$

$$^B \frac{6 - 4}{3 - 5}$$

$$\frac{3 - 5}{6 - 4}$$

$$\frac{6 - 4}{3 - 5}$$

6

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (6, 6)

Point B: (9, 10)

$$^A \frac{10 - 6}{9 - 6}$$

$$^B \frac{9 - 6}{10 - 6}$$

$$\frac{10 - 6}{9 - 6}$$

$$\frac{9 - 6}{10 - 6}$$

7

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (1, 4)

Point B: (7, 9)

$$^A \frac{9 - 4}{7 - 1}$$

$$^B \frac{7 - 1}{9 - 4}$$

$$\frac{9 - 4}{7 - 1}$$

$$\frac{7 - 1}{9 - 4}$$

8

How would you find the slope of the PERPENDICULAR to segment AB?

Point A: (3, 10)

Point B: (10, 1)

$$^A \frac{10 - 3}{1 - 10}$$

$$^B \frac{1 - 10}{10 - 3}$$

$$\frac{10 - 3}{1 - 10}$$

$$\frac{1 - 10}{10 - 3}$$