mobius

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

1

Point A: $(6, 6)$

Point B: $(10, 5)$

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

A $\dfrac{-(10-6)}{5-6}$ B $\dfrac{5-6}{10-6}$

2

Point A: $(2, 6)$

Point B: $(7, 3)$

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

A $\dfrac{-(7-2)}{3-6}$ B $\dfrac{3-6}{7-2}$

3

Point A: $(6, 2)$

Point B: $(9, 9)$

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

A $\dfrac{-(9-6)}{9-2}$ B $\dfrac{9-2}{9-6}$

4

Point A: $(5, 10)$

Point B: $(6, 6)$

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

A $\dfrac{6-10}{6-5}$ B $\dfrac{-(6-5)}{6-10}$

5

Point A: $(1, 8)$

Point B: $(9, 5)$

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

A $\dfrac{-(9-1)}{5-8}$ B $\dfrac{5-8}{9-1}$

6

Point A: $(1, 4)$

Point B: $(8, 8)$

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

A $\dfrac{-(8-1)}{8-4}$ B $\dfrac{8-4}{8-1}$

7

Point A: $(5, 4)$

Point B: $(10, 8)$

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

A $\dfrac{-(10-5)}{8-4}$ B $\dfrac{8-4}{10-5}$

8

Point A: $(3, 6)$

Point B: $(8, 3)$

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

A $\dfrac{-(8-3)}{3-6}$ B $\dfrac{3-6}{8-3}$