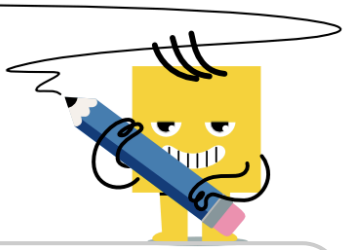
Name



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

1 Find the equation for the perpendicular bisector of segment AB

Point A: (3, 6)
Point B: (5, 8)

A	$y = -3x + 19$	B	$y = -\frac{5}{2}x + 17$
C	$y = -\frac{1}{2}x + 9$	D	$y = -1x + 11$

2 Find the equation for the perpendicular bisector of segment AB

Point A: (1, 5)
Point B: (5, 1)

A	$y = \frac{3}{4}x + \frac{3}{4}$	B	$y = \frac{4}{5}x + \frac{3}{5}$
C	$y = 1x + -0$	D	$y = 1x + -5$

3 Find the equation for the perpendicular bisector of segment AB

Point A: (3, 1)
Point B: (5, 9)

A	$y = -\frac{1}{4}x + 6$	B	$y = -\frac{2}{5}x + \frac{33}{5}$
C	$y = -\frac{5}{7}x + \frac{55}{7}$	D	$y = -4x + 21$

4 Find the equation for the perpendicular bisector of segment AB

Point A: (4, 4)
Point B: (6, 10)

A	$y = -\frac{1}{8}x + \frac{61}{8}$	B	$y = -\frac{1}{3}x + \frac{22}{3}$
C	$y = -\frac{1}{3}x + \frac{26}{3}$	D	$y = -\frac{1}{3}x + \frac{25}{3}$

5 Find the equation for the perpendicular bisector of segment AB

Point A: (6, 5)
Point B: (8, 7)

A	$y = 2x + -8$	B	$y = -1x + 13$
C	$y = -1x + 12$	D	$y = -2x + 20$

6 Find the equation for the perpendicular bisector of segment AB

Point A: (5, 5)
Point B: (7, 1)

A	$y = \frac{1}{2}x + -0$	B	$y = \frac{1}{2}x + \frac{1}{2}$
C	$y = \frac{1}{2}x + 2$	D	$y = 2x + -9$

7 Find the equation for the perpendicular bisector of segment AB

Point A: (2, 6)
Point B: (4, 10)

A	$y = -\frac{1}{2}x + \frac{13}{2}$	B	$y = -\frac{1}{2}x + 7$
C	$y = -2x + 14$	D	$y = -\frac{1}{2}x + \frac{19}{2}$

8 Find the equation for the perpendicular bisector of segment AB

Point A: (3, 7)
Point B: (7, 3)

A	$y = 2x + -5$	B	$y = 1x + -0$
C	$y = \frac{5}{6}x + \frac{5}{6}$	D	$y = 1x + -5$