

Name _____

07-02-08-T8B
Midpoint of Line Segment

■ A. Find the midpoint $M(\bar{x}, \bar{y})$ of the line segment \overline{PQ} .

[1] $P(2, 3), Q(8, 13)$

[2] $P(1, 12), Q(11, 16)$

[3] $P(2, 5), Q(6, 6)$

[4] $P(5, 9), Q(8, 17)$

[5] $P(3, 8), Q(4, 9)$

[6] $P(3, 8), Q(6, 13)$

[7] $P(-2, 5), Q(6, 9)$

[8] $P(-3, -5), Q(5, 11)$

[9] $P(-2, -5), Q(-8, -1)$

[10] $P(-5, 0), Q(-12, -6)$

[11] $P(2, -6), Q(-1, -12)$

Answers

■ A. Find the midpoint $M(\bar{x}, \bar{y})$ of the line segment \overline{PQ} .

[1] $M(5, 8)$

[2] $M(6, 14)$

[3] $M(4, \frac{11}{2})$

[4] $P(5, 9), Q(8, 17) M(\frac{13}{2}, 13)$

[5] $M(\frac{7}{2}, \frac{17}{2})$

[6] $M(\frac{9}{2}, \frac{21}{2})$

[7] $M(2, 7)$

[8] $M(1, 3)$

[9] $M(-5, -3)$

[10] $M(-\frac{17}{2}, -3)$

[11] $M(\frac{1}{2}, -9)$