

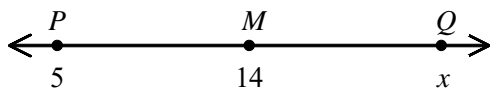
NAME: _____

- Find the midpoint of $(3, -2)$ and $(-11, 12)$. [A] $(-8, 10)$ [B] $(7, 7)$ [C] $(-4, 5)$ [D] $(14, 14)$
- What is the midpoint of line segment with endpoints $(5, 6)$ and $(-2, -6)$?
[A] $(1.5, 6)$ [B] $(1.5, 0)$ [C] $(3.5, 0)$ [D] $(1.5, -6)$ [E] $(3.5, 6)$
- Find the coordinates of the midpoint of the segment connecting $H(3, -2)$ and $K(-15, 16)$.
[A] $(-12, 14)$ [B] $(9, 9)$ [C] $(18, 18)$ [D] $(-6, 7)$
- Find the midpoint of $(-2, -1)$ and $(-16, 13)$.
- Find the coordinates of the midpoint of \overline{MN} with endpoints $M = (2, 3)$ and $N = (2, 9)$.
- Write the coordinates of two points A and B such that the midpoint of \overline{AB} is $(-3, -8)$.
- Give two sets of possible coordinates of endpoints of segments with $M(2, 4)$ as the midpoint.
- Compare the quantities in Column A and Column B.

<u>Column A</u>	<u>Column B</u>
the y -coordinate of the midpoint of the segment between the points $(1, 4)$ and $(-2, -5)$	the x -coordinate of the midpoint of the segment between the points $(-1, -4)$ and $(2, 5)$

[A] The quantity in Column A is greater. [B] The quantity in Column B is greater.
[C] The quantities are equal.
[D] The relationship cannot be determined from the information given.

- If M is the midpoint of \overline{PQ} , find the value of x . [A] 24 [B] 22 [C] 25 [D] 23



- Find the coordinates of B if A is the point $(-1, 4)$ and the midpoint of \overline{AB} is $M = (5, 4)$.

[1] C

[2] B

[3] D

[4] (-9, 6)

[5] (2, 6)

[6] Answers may vary. Sample: $A(-4, -8)$, $B(-2, -8)$

[7] Answers may vary. Sample: $(5, 6)$ and $(-1, 2)$

[8] B

[9] D

[10] (11, 4)