



Length of a Median

Name _____

Score _____

MC:07

1) If $A(5, 4)$, $B(-2, 1)$ and $C(7, -4)$ are the vertices of $\triangle ABC$, then find the length of the median \overline{BD} .

2) The vertices of $\triangle PQR$ are $P(-2, -6)$, $Q(-1, -5)$ and $R(2, 1)$. What will be the length of the median \overline{PS} .

3) If $E(7, 2)$, $F(5, 6)$ and $G(3, 3)$ are the vertices of $\triangle EFG$, then what will be the length of the median \overline{GH} .

4) The vertices of $\triangle ABC$ are $U(-1, -3)$, $V(8, 7)$ and $W(-1, -5)$. Find the length of the median \overline{VT} .

5) $\triangle KLM$ whose vertices are $K(13, 3)$, $L(-9, -1)$ and $M(2, 4)$. Calculate the length of the median \overline{MN} .



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Answer key

MC:07

- 1) If $A(5, 4)$, $B(-2, 1)$ and $C(7, -4)$ are the vertices of $\triangle ABC$, then find the length of the median \overline{BD} .

$\sqrt{65}$ units

- 2) The vertices of $\triangle PQR$ are $P(-2, -6)$, $Q(-1, -5)$ and $R(2, 1)$. What will be the length of the median \overline{PS} .

$\frac{\sqrt{89}}{2}$ units

- 3) If $E(7, 2)$, $F(5, 6)$ and $G(3, 3)$ are the vertices of $\triangle EFG$, then what will be the length of the median \overline{GH} .

$\sqrt{10}$ units

- 4) The vertices of $\triangle ABC$ are $U(-1, -3)$, $V(8, 7)$ and $W(-1, -5)$. Find the length of the median \overline{VT} .

$\sqrt{209}$ units

- 5) $\triangle KLM$ whose vertices are $K(13, 3)$, $L(-9, -1)$ and $M(2, 4)$. Calculate the length of the median \overline{MN} .

3 units
