

Name : _____

Equation of a Median

Sheet 3

- 1) $A(2, 9)$, $B(1, 10)$ and $C(-3, 5)$ are the vertices of $\triangle ABC$. Determine the equation of the median \overline{CD} .

- 2) If $K(1, 4)$, $L(-5, 9)$ and $M(-6, 5)$ are the vertices of $\triangle KLM$, find the equation of the median \overline{LN} .

- 3) $P(15, -3)$ and $Q(5, -2)$ are the vertices of $\triangle PQR$, if its slope is $-\frac{2}{5}$, find the equation of the median \overline{RS} .

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- 4) $S(8, 9)$ and $T(4, 11)$ are the vertices of $\triangle STU$, find the equation of the median \overline{UV} .

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- 5) If $C(4, 0)$, $D(-6, -7)$ and $E(-2, -13)$ are the vertices of $\triangle CDE$, find the equation of the median \overline{CF} .

Equation of a Median

- 1) A(2, 9), B(1, 10) and C(-3, 5) are the vertices of $\triangle ABC$. Determine the equation of the median \overline{CD} .

$$\underline{x - y = -8}$$

- 2) If K(1, 4), L(-5, 9) and M(-6, 5) are the vertices of $\triangle KLM$, find the equation of the median \overline{LN} .

$$\underline{9x + 5y = 6}$$

- 3) P(15, -3) and Q(5, -2) are the vertices of $\triangle PQR$, if its slope is $-\frac{1}{2}$, find the equation of the median \overline{RS} .

$$\underline{4x + 9y = 4}$$

- 4) S(8, 9) and T(4, 11) are the vertices of $\triangle STU$, find the equation of the median \overline{UV} .

$$\underline{7x - y = 32}$$

- 5) If C(4, 0), D(-6, -7) and E(-2, -13) are the vertices of $\triangle CDE$, find the equation of the median \overline{CF} .

$$\underline{5x - 4y = 20}$$

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