

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  $\overline{CD}$ .

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

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- 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  $\overline{CF}$ .

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