

Name : \_\_\_\_\_

## Equation of a Median

Sheet 2

- 1)  $C(-13, -8)$  and  $D(-11, 5)$  are the vertices of  $\triangle CDE$ . Determine the equation of the median  $\overline{EF}$ , if its slope is  $-\frac{5}{2}$ .

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- 2) If  $P(-6, -3)$ ,  $Q(-2, -7)$  and  $R(-6, -11)$  are the vertices of  $\triangle PQR$ , find the equation of the median  $\overline{RS}$ .

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- 3)  $K(0, 7)$  and  $L(-2, 1)$  are the vertices of  $\triangle KLM$ . If  $M$  is the midpoint of  $\overline{KL}$ , find the equation of the median  $\overline{MN}$ .

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- 4)  $A(10, 14)$ ,  $B(5, 8)$  and  $C(1, 2)$  are the vertices of  $\triangle ABC$ . Find the equation of the median  $\overline{AD}$ .

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- 5)  $T(4, -3)$  and  $U(7, -9)$  are the vertices of  $\triangle TUV$ . If the slope of  $\overline{VW}$  is  $\frac{2}{9}$ , determine the equation of the median  $\overline{VW}$ .

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