

Name : _____

Centroid of a Triangle

- 1) What is the centroid of the triangle if the equations of the medians are $-11y = -5x - 19$ and $16x + 5y = 33$?

- 2) In $\triangle ABC$, \overline{AD} , \overline{BE} and \overline{CF} are the medians with the equations $y = -x - 1$, $2x - y = -8$ and $x - 2y = -7$ respectively. Find the centroid of $\triangle ABC$.

- 3) Determine the centroid of the triangle with the equations $6y = -x + 10$ and 1

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with the equations

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- 4) If the equations of the medians of a triangle are $2x + 3y = 0$ and $9x + 7y = 0$, find its centroid.

$2x + 3y = 0$ and $9x + 7y = 0$,

- 5) If \overline{LM} and \overline{KN} are medians of $\triangle JKL$ whose equations are given by $y = -3$ and $y = -5x + 7$ respectively. Determine the centroid of $\triangle JKL$.

Centroid of a Triangle

- 1) What is the centroid of the triangle if the equations of the medians are $-11y = -5x - 19$ and $16x + 5y = 33$?

$$\left(\frac{4}{3}, \frac{7}{3}\right)$$

- 2) In $\triangle ABC$, \overline{AD} , \overline{BE} and \overline{CF} are the medians with the equations $y = -x - 1$, $2x - y = -8$ and $x - 2y = -7$ respectively. Find the centroid of $\triangle ABC$.

$$(-3, 2)$$

- 3) Determine the centroid of the triangle with the equations $6y = -x + 10$ and 1

$$\left(0, \frac{5}{3}\right)$$

- 4) If the equations of the medians of a triangle are $3x + 3y = 0$ and $9x + 7y = 0$, find its centroid.

$$(0, 0)$$

- 5) If \overline{LM} and \overline{KN} are medians of $\triangle JKL$ whose equations are given by $y = -3$ and $y = -5x + 7$ respectively. Determine the centroid of $\triangle JKL$.

$$(2, -3)$$

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