

Centroid of a Triangle

- 1) If the equations of the medians of a triangle are $6y = x + 11$ and $11x - 6y = -21$, find its centroid.

- 2) Determine the centroid of $\triangle BCD$, if \overline{CE} and \overline{DF} are the medians with the equations $y = -8x - 4$ and $y = x - 1$ respectively.

- 3) If \overline{AD} , \overline{BE} and \overline{CF} are the medians of $\triangle ABC$ with equations $x + 4y = -8$ and $3x + 2y = 12$, find the centroid of $\triangle ABC$.

- 4) In $\triangle JKL$, \overline{JM} , \overline{KN} are the medians with equations $2x + 3y = 12$ and $y = -2x - 5$. Find the centroid of $\triangle JKL$.

- 5) What is the centroid of the triangle if the equations of the medians are $6y = -5x - 29$ and $7x - 9y = -29$?

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Centroid of a Triangle

- 1) If the equations of the medians of a triangle are $6y = x + 11$ and $11x - 6y = -21$, find its centroid.

$$\underline{\underline{\left(-1, \frac{5}{3}\right)}}$$

- 2) Determine the centroid of $\triangle BCD$, if \overline{CE} and \overline{DF} are the medians with the equations $y = -8x - 4$ and $y = x - 1$ respectively.

$$\underline{\underline{\left(-\frac{1}{3}, -\frac{4}{3}\right)}}$$

- 3) If \overline{AD} , \overline{BE} and \overline{CF} are the medians of $\triangle ABC$ with equations $x + 4y = -8$ and $3x + 2y = 12$, find the centroid of $\triangle ABC$.

$$\underline{\underline{(0, -2)}}$$

- 4) In $\triangle JKL$, \overline{JM} , \overline{KN} are the medians with equations $2x + 3y = 12$ and $y = -2x - 5$. Find the centroid of $\triangle JKL$.

$$\underline{\underline{(-4, 3)}}$$

- 5) What is the centroid of the triangle if the equations of the medians are $6y = -5x - 29$ and $7x - 9y = -29$?

$$\underline{\underline{\left(-5, -\frac{2}{3}\right)}}$$

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