Length of a Median

1) If T(−2, 3), U(0, −5) and V(2, 4) are the vertices of △ TUV, then what will be the length of the median $\overline{TW}$.

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2) △ EFG whose vertices are E(−3, −6), F(7, −2) and G(−1, 4). Calculate the length of the median $\overline{GH}$.

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3) The vertices of △ KLM are K(5, 2), L(0, 0) and M(−11, −8). Find the length of the median $\overline{LN}$.

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4) If P(6, 8), Q(5, 2) and R(4, 10) are the vertices of △ PQR, then find the length of the median $\overline{QS}$.

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5) The vertices of △ ABC are A(−2, −1), B(4, 3) and C(−4, −3). What will be the length of the median $\overline{AD}$.

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Length of a Median

Answer key

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1) If T(–2, 3), U(0, –5) and V(2, 4) are the vertices of △ TUV, then what will be the length of the median $\overline{TW}$.

$\dfrac{\sqrt{85}}{2}$ **units**

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2) △ EFG whose vertices are E(–3, –6), F(7, –2) and G(–1, 4). Calculate the length of the median $\overline{GH}$.

$\sqrt{73}$ **units**

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3) The vertices of △ KLM are K(5, 2), L(0, 0) and M(–11, –8). Find the length of the median $\overline{LN}$.

$3\sqrt{2}$ **units**

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4) If P(6, 8), Q(5, 2) and R(4, 10) are the vertices of △ PQR, then find the length of the median $\overline{QS}$.

7 units

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5) The vertices of △ ABC are A(–2, –1), B(4, 3) and C(–4, –3). What will be the length of the median $\overline{AD}$.

$\sqrt{5}$ **units**

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