

Name : _____

Centroid of a Triangle

A) G is the centroid of $\triangle RST$. Find the missing vertex.

1) $G\left(-1, -\frac{5}{3}\right)$, $S(15, -4)$ and $T(-7, 1)$

2) $G(2, 6)$, $R(-5, 12)$ and $S(-1, -4)$

3) $G(4, -6)$, $R(-8, -11)$

and $T(-3, -1)$

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B) G is the centroid

1) $G\left(-4, \frac{8}{3}\right)$, $U(-15, 3)$,

$V(13, 5)$ and $W(a, 9)$

3) $G(-1, a)$, $U(-14, 7)$, $V(b, 13)$ and $W(12, -8)$

4) $G\left(\frac{3}{2}, 5\right)$, $U(5, b)$, $V(-2, 9)$ and $W(a, 6)$