

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  $W(a, 6)$

