A) G is the centroid of ΔRST. 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 S(-1, -4)

B) G is the centroid of \( \triangle UVW \). Find the values of a and b.

1) G\left(-4, \frac{8}{3}\right), U(-15, 3), V(a, -2) and W(11, b)

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)
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 \( S(-1, -4) \)

\[ \text{R}(-11, -2) \quad \text{T}(12, 10) \]

3) \( G(4, -6), R(-8, -11) \) and \( S(15, -4) \) and \( T(-3, -1) \)

\[ \text{G}(9, b), U(15, -2), V(13, 5) \] and \( W(a, 9) \)

\[ \text{a} = -8 \ ; \ b = 7 \]

B) \( G \) is the centroid of \( \triangle UVW \). Find the values of \( a \) and \( b \).

1) \( G\left(-4, \frac{8}{3}\right), U(-15, 3), V(a, -2) \) and \( W(11, b) \)

\[ \text{G}, U(5, b), V(-2, 9) \] and \( W(a, 6) \)

\[ \text{a} = -1 \ ; \ b = 4 \]

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

\[ \text{G}, R(5, 13) \] and \( T(-3, -1) \)

\[ \text{a} = -4, \ ; \ b = 8 \]

\[ a = \frac{3}{2} ; \ b = 0 \]