

Triangle Centroids

Name: _____

Date: _____

Given the coordinates of the three vertices of a triangle, Calculate coordinates of the centroid.

1) $X(5, 5), Y(8, -8), Z(14, 21)$

Centroid at: ____

2) $A(5, 5), B(8, -8), C(14, 15)$

Centroid at: ____

3) $X(0, 3), Y(-1, 3), Z(-14, -21)$

Centroid at: ____

4) $A(0, 3), B(-1, 3), C(-14, 15)$

Centroid at: ____

5) $A(1, 1), B(5, 6), C(6, 14)$

Centroid at: ____

6) $X(1, 1), Y(5, 6), Z(-9, 8)$

Centroid at: ____

7) $A(3, 2), B(-2, -4), C(-7, -13)$

Centroid at: ____

8) $X(3, 2), Y(-2, -4), Z(-10, -16)$

Centroid at: ____

9) $A(-6, -6), B(-2, -3), C(-16, 3)$

Centroid at: ____

10) $X(-6, -6), Y(-2, -3), Z(20, 9)$

Centroid at: ____

11) $A(7, 5), B(-2, 5), C(4, 8)$

Centroid at: ____

12) $X(7, 5), Y(-2, 5), Z(-2, 11)$

Centroid at: ____

Triangle Centroids

Name: _____

Date: _____

Given the coordinates of the three vertices of a triangle, Calculate coordinates of the centroid.

1) $X(5, 5), Y(8, -8), Z(14, 21)$

Centroid at: $(\underline{9}, \underline{6})$

2) $A(5, 5), B(8, -8), C(14, 15)$

Centroid at: $(\underline{9}, \underline{4})$

3) $X(0, 3), Y(-1, 3), Z(-14, -21)$

Centroid at: $(\underline{-5}, \underline{-5})$

4) $A(0, 3), B(-1, 3), C(-14, 15)$

Centroid at: $(\underline{-5}, \underline{7})$

5) $A(1, 1), B(5, 6), C(6, 14)$

Centroid at: $(\underline{4}, \underline{7})$

6) $X(1, 1), Y(5, 6), Z(-9, 8)$

Centroid at: $(\underline{-1}, \underline{5})$

7) $A(3, 2), B(-2, -4), C(-7, -13)$

Centroid at: $(\underline{-2}, \underline{-5})$

8) $X(3, 2), Y(-2, -4), Z(-10, -16)$

Centroid at: $(\underline{-3}, \underline{-6})$

9) $A(-6, -6), B(-2, -3), C(-16, 3)$

Centroid at: $(\underline{-8}, \underline{-2})$

10) $X(-6, -6), Y(-2, -3), Z(20, 9)$

Centroid at: $(\underline{4}, \underline{0})$

11) $A(7, 5), B(-2, 5), C(4, 8)$

Centroid at: $(\underline{3}, \underline{6})$

12) $X(7, 5), Y(-2, 5), Z(-2, 11)$

Centroid at: $(\underline{1}, \underline{7})$