

Worksheet
Centroid, Circumcenter, Orthocenter

Find the coordinates of the centroid given the vertices of the following triangles.

1. P(-6, 9), Q(6, 1), R(-6, -7) Solution (-2, 1)
2. A(12, 18), B(18, 6), C(3, 12) Solution (11, 12)
3. P(-12, 6), Q(4, 0), R(-8, -6) Solution (-5.3, 0)

Find the coordinates of the circumcenter given the vertices of the following triangles.

1. D(5, 1), E(-2, 0), F(4, 8) Solution (1, 4)
2. J(-2, 0), K(2, 8), L(7, 3) Solution (2, 3)
3. A(-90, 28), B(0, -35), C(125, 20) Solution (19.9, 89.3)

Find the coordinates of the orthocenter given the vertices of the following triangles.

1. D(-2, 5), E(5, 1), F(-4, -5) Solution (0, 2)
2. P(-1, 5), Q(7, 2), R(-1, -4) Solution (1.25, 2)
3. P(-3, 4), Q(10, -3), R(3, -2) Solution (-6.33, -19.31)