

Geometry: 1.7b Assignment

Find (a) the distance between the points to the nearest tenth.

(b) the coordinates of the midpoint of the segments with the given endpoints.

35. $A(2, 1), B(3, 0)$

36. $R(5, 2), S(-2, 4)$

37. $Q(-7, -4), T(6, 10)$

38. $C(-8, -1), D(-5, -11)$

39. A map of a city and suburbs shows an airport located at $A(25, 11)$. An ambulance is on a straight expressway headed from the airport to Grant Hospital at $G(1, 1)$. The ambulance gets a flat tire at the midpoint M of \overline{AG} . As a result, the ambulance crew calls for helicopter assistance.

a. What are the coordinates of point M ?

b. How far does the helicopter have to fly to get from M to G ? Assume all coordinates are in miles.