

(C2-4.3a)

Name:

Homework Questions 3 – Distance Between 2 Points

1. If P(3,-2) and Q(-4,-3). Find the distance between PQ

$$\sqrt{50} = 5\sqrt{2} = 7.07$$

2. If A (2,6) and B (8,14). Find the distance between AB

$$10$$

3. If CD is the diameter of a circle where C (3, -4), and D(2, 5). Find the radius of the circle.

$$\frac{\sqrt{82}}{2} = 9.06$$

4. The point (-4,9) lies on the circle centre (-4,3). Find the diameter of the circle

$$12$$

5. Points A(2,-1) and B(-2,-5) lie on the circumference of a circle centre C(2,-5).

- a) Prove if ABC is a right angled triangle or not
b) Calculate the diameter of the circle

$$8$$