

(C2-4.3) Name:

Homework Questions 3 – Distance Between 2 Points

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

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

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

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

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