$$\sqrt{51}$$
 $2\sqrt{13}$ 

7. Find the distance d(P1, P2) between the points P1=(3,6) and P2=(-2,1)

Solution

The distance = 
$$\sqrt{(1-6)^2 + (-2-3)^2}$$

The distance = 
$$\sqrt{(-5)^2 + (-5)^2}$$
  
=  $\sqrt{25+25}$   
=  $5\sqrt{2}$