$$\sqrt{41}$$

5. Find the distance d(P1, P2) between the points P1=(-1, -2) and P2=(-3, 4)

$$\sqrt{43}$$

Solution The distance =
$$\sqrt{(4--2)^2+(-3--1)^2}$$

$$= \sqrt{36+4}$$
$$= 2\sqrt{10}$$

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