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

$\sqrt{59}$

$2\sqrt{15}$

$\sqrt{58}$

$\sqrt{61}$

Solution

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

The distance $= \sqrt{(-7)^2 + (-3)^2}$

$= \sqrt{49+9}$

$= \sqrt{58}$