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

$\sqrt{11}$

$2\sqrt{3}$

$\sqrt{10}$

$\sqrt{13}$

Solution

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

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

$= \sqrt{1+9}$

$= \sqrt{10}$