



What is the distance between the following two points?

$(-3, 1)$ ,  $(2, 13)$

Answer

The formula to find the distance is

$$\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

where

$x_2$  = the second x point = 2

$x_1$  = the first x point = -3

$y_2$  = the second y point = 13

$y_1$  = the first y point = 1

$$\text{distance} = \sqrt{(2 - (-3))^2 + (13 - 1)^2} = \sqrt{(5)^2 + (12)^2} = \sqrt{169} = 13$$

So, 13 is the answer