

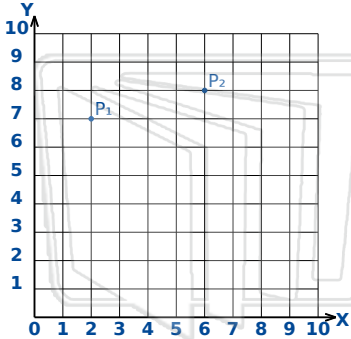


Pythagorean Theorem Distance Problems

Math

Name _____ Class _____ Date _____

Find the distance between the points

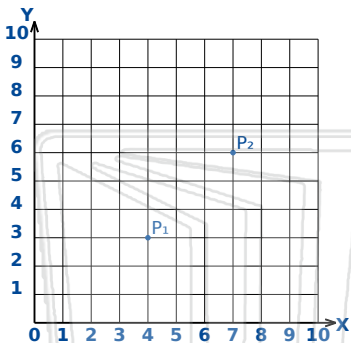


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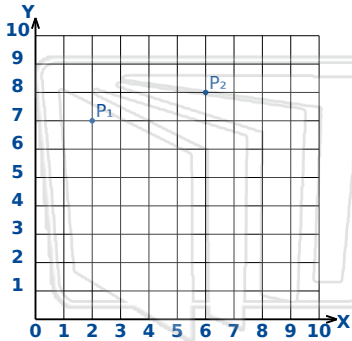


Pythagorean Theorem Distance Problems - Answer Key

Math

Name _____ Class _____ Date _____

Find the distance between the points



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

$$\text{distance} = \sqrt{(6 - 2)^2 + (8 - 7)^2}$$

$$\text{distance} = \sqrt{(4)^2 + (1)^2}$$

$$\text{distance} = \sqrt{16 + 1}$$

$$\text{distance} = \sqrt{17}$$

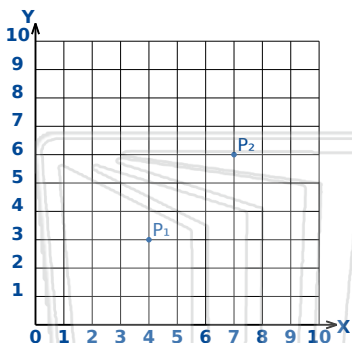
$$\text{distance} \approx 4.1231$$

Y
10
9
8
7
6
5
4
3
2
1



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

$$\text{distance} = \sqrt{(7 - 4)^2 + (6 - 3)^2}$$

$$\text{distance} = \sqrt{(3)^2 + (3)^2}$$

$$\text{distance} = \sqrt{9 + 9}$$

$$\text{distance} = \sqrt{18}$$

$$\text{distance} \approx 4.2426$$