



# Distance Formula

Version 2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Direction: Find the distance between the given two points. Show all your work in the space provided.

1) Find the distance between the points  $(1, 2)$  and  $(3, 4)$ .

2) Find the distance between the points  $(-3, 5)$  and  $(5, -3)$ .

3) Find the distance between the points  $\left(\frac{1}{2}, -2\right)$  and  $\left(\frac{1}{4}, -1\right)$ .



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Name: \_\_\_\_\_

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Direction: Find the distance between the given two points. Show all your work in the space provided.

1) Find the distance between the points  $(1, 2)$  and  $(3, 4)$ .

$$d = 2\sqrt{2}$$

2) Find the distance between the points  $(-3, 5)$  and  $(5, -3)$ .

$$d = 8\sqrt{2}$$

3) Find the distance between the points  $\left(\frac{1}{2}, -2\right)$  and  $\left(\frac{1}{4}, -1\right)$ .

$$d = \frac{\sqrt{17}}{2}$$