

Name:

ANSWERS!

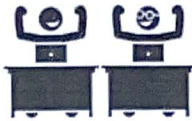
Class:



Communication



Successful Partnership



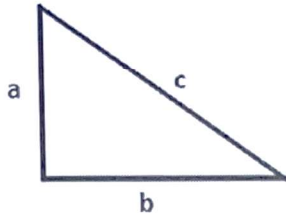
Encouragement



Solving Problem Together



Collaboration



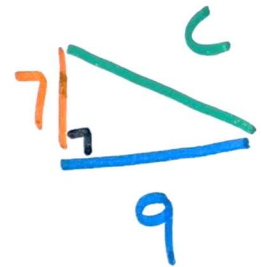
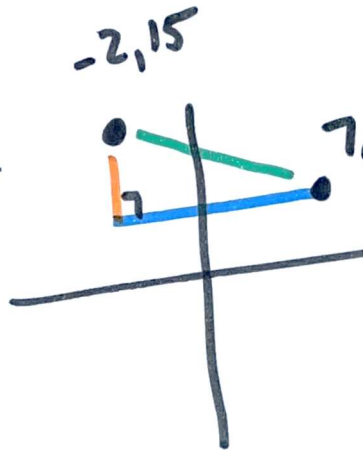
$$a^2 + b^2 = c^2$$

Question 01

What is the distance between the two coordinates below? Round your answer to the nearest tenth of a unit.

$(-2, 15)$ and $(7, 8)$

11.4 units



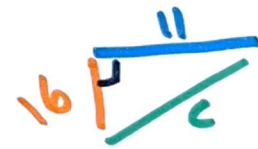
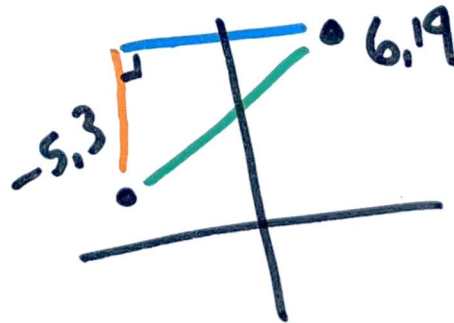
$$\begin{aligned} 7^2 + 9^2 &= c^2 \\ 49 + 81 &= c^2 \\ 130 &= c^2 \\ \sqrt{130} &= 11.4 \end{aligned}$$

Question 02

What is the distance between the two coordinates below? Round your answer to the nearest tenth of a unit.

$(-5, 3)$ and $(6, 19)$

19.4 units



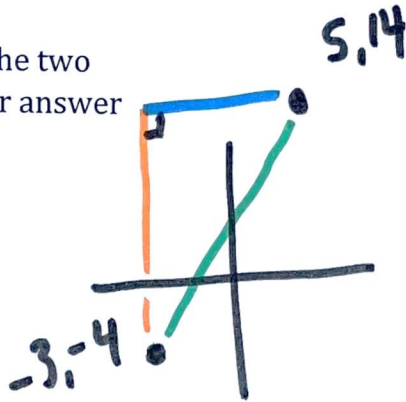
$$\begin{aligned} 16^2 + 11^2 &= c^2 \\ 256 + 121 &= c^2 \\ 377 &= c^2 \\ \sqrt{377} &= 19.4 \end{aligned}$$

Question 03

What is the distance between the two coordinates below? Round your answer to the nearest 0 tenth of a unit.

(5, 14) and (-3, -4)

19.7 units



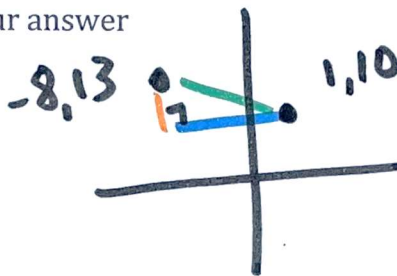
$$\begin{aligned} 18^2 + 8^2 &= c^2 \\ 324 + 64 &= c^2 \\ 388 &= c^2 \\ \sqrt{388} &= 19.7 \end{aligned}$$

Question 04

What is the distance between the two coordinates below? Round your answer to the nearest 0 tenth of a unit.

(-8, 13) and (1, 10)

9.5 units



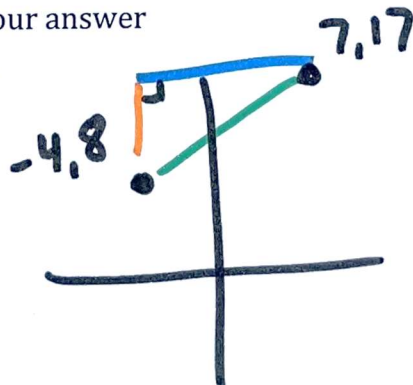
$$\begin{aligned} 3^2 + 9^2 &= c^2 \\ 9 + 81 &= c^2 \\ 90 &= c^2 \\ \sqrt{90} &= 9.5 \end{aligned}$$

Question 05

What is the distance between the two coordinates below? Round your answer to the nearest 0 tenth of a unit.

(-4, 8) and (7, 17)

14.2 units



$$\begin{aligned} 9^2 + 11^2 &= c^2 \\ 81 + 121 &= c^2 \\ 202 &= c^2 \\ \sqrt{202} &= 14.2 \end{aligned}$$