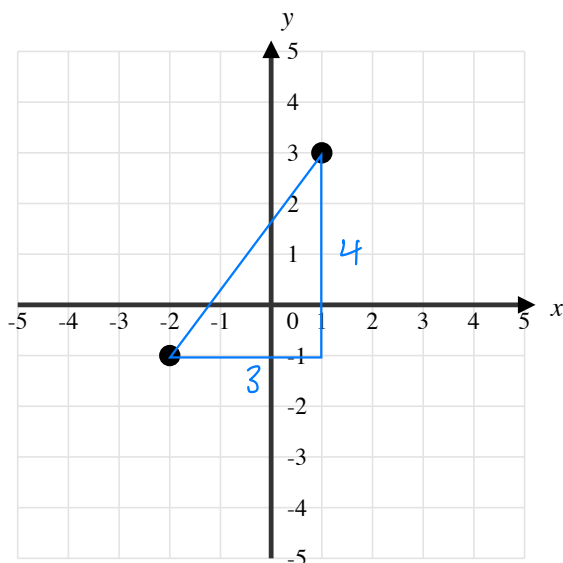
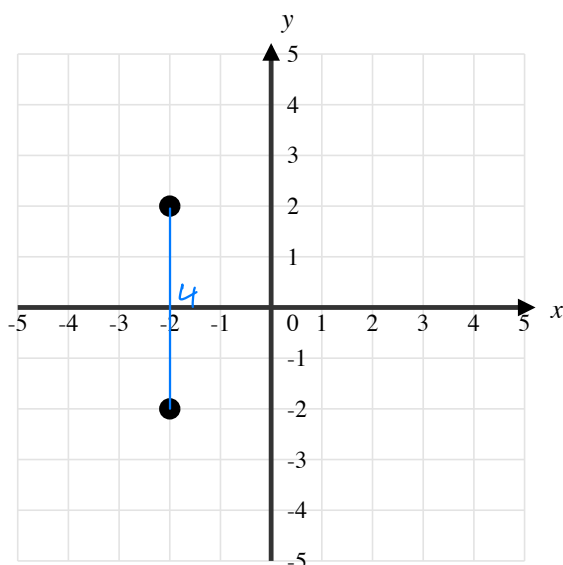


Distance Between Two Points (A) *Use Pythagoras' Theorem*



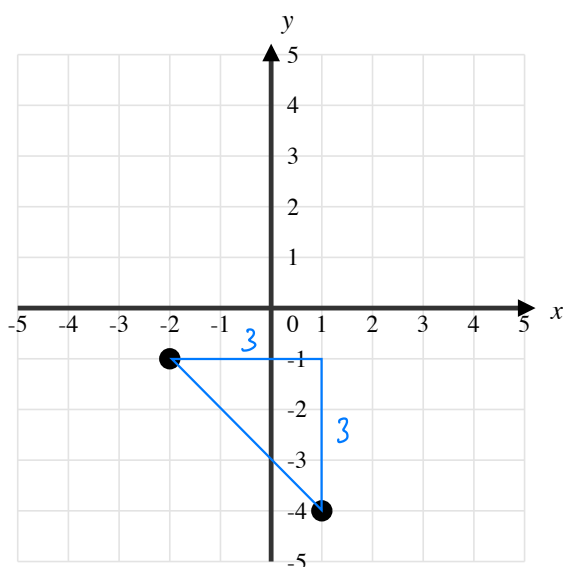
Find the distance between the points $(-2, -1)$ and $(1, 3)$. Give your answer as an exact value.

$$\begin{aligned}\sqrt{3^2 + 4^2} &= \sqrt{9 + 16} \\ &= \sqrt{25} \\ &= 5\end{aligned}$$



Find the distance between the points $(-2, -2)$ and $(-2, 2)$. Give your answer as an exact value.

$$4$$



Find the distance between the points $(-2, -1)$ and $(1, -4)$. Give your answer as an exact value.

$$\begin{aligned}\sqrt{3^2 + 3^2} &= \sqrt{9 + 9} \\ &= \sqrt{18} \\ &= 3\sqrt{2}\end{aligned}$$