

Ashley Keenan

Geometry B3

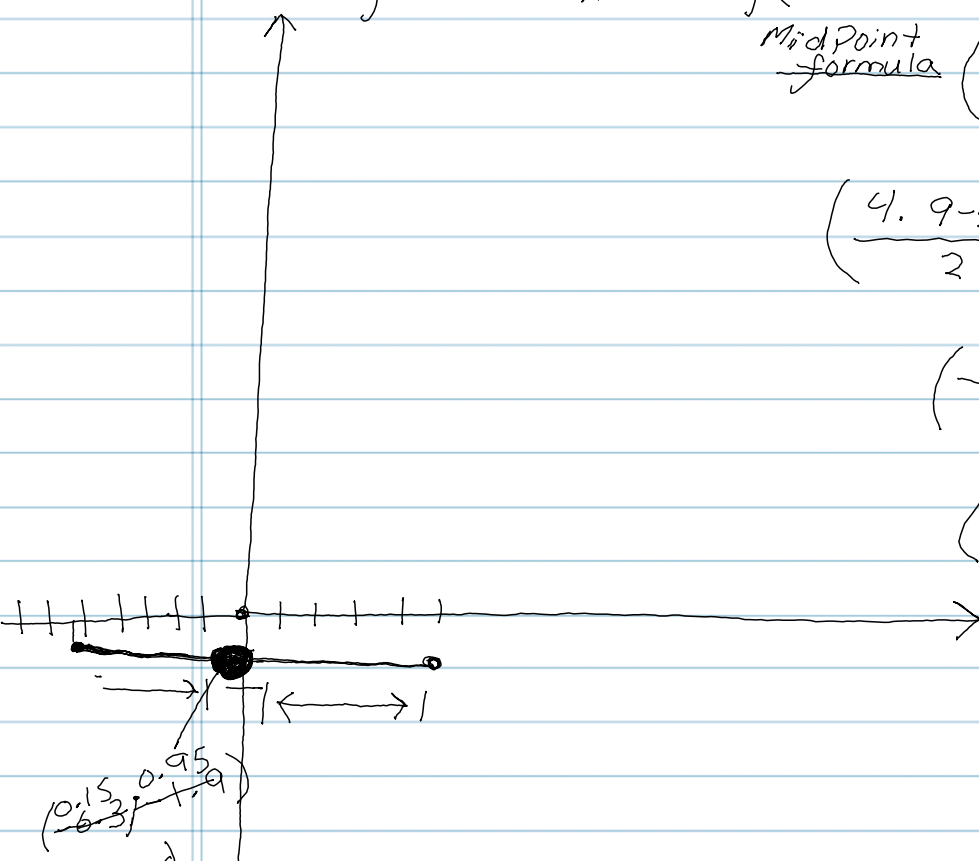
$$\begin{matrix} (4.9, -1.3) & (-5.2, -0.6) \\ x_1 & y_1 & x_2 & y_2 \end{matrix}$$

Midpoint formula  $\left( \frac{x_1+x_2}{2}, \frac{y_1+y_2}{2} \right)$

$$\left( \frac{4.9-5.2}{2}, \frac{-1.3-0.6}{2} \right)$$

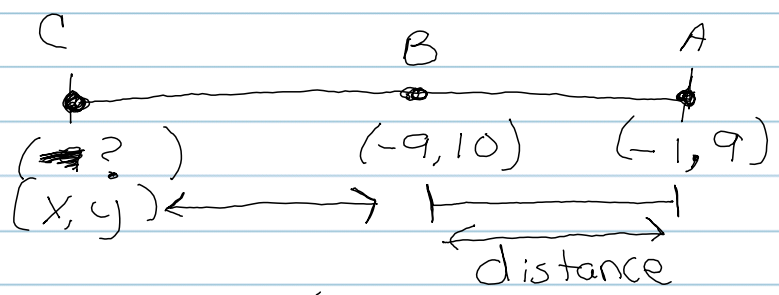
$$\left( \frac{-0.3}{2}, \frac{-1.9}{2} \right)$$

$$(0.15, 0.95)$$



$(0.15, 0.95)$   
around there

Homework Review  
21) End.  $(-1, 9)$  Mid.  $(-9, -10)$



$$AB + BC = AC$$

$$\begin{matrix} (-9, 10) & (-1, 9) \\ x_1 & y_1 & x_2 & y_2 \end{matrix}$$

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

$$\sqrt{(-1+9)^2 + (9+10)^2}$$

$$\sqrt{8(2) + 19(2)}$$

$$\sqrt{64 + 361}$$~~

ignore

$$d = \sqrt{425}$$

$$\begin{matrix} (-1, 9) & (-9, -10) \\ x_1, y_1 & x_2, y_2 \end{matrix}$$

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

$$d = \sqrt{(-9 + 1)^2 + (-10 - 9)^2}$$

$$\sqrt{64 + 361}$$

$$\sqrt{425}$$

$$d = 20.61$$

