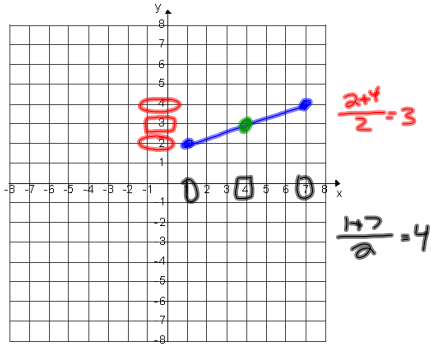
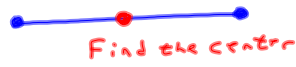


9-6-13
1st Geometry

Midpoint



Find midpoint of $(6, 8)$ and $(16, 12)$

Add x's together $\div 2$
Add y's together $\div 2$

$$\left(\frac{6+16}{2}, \frac{8+12}{2} \right)$$
$$(11, 10)$$

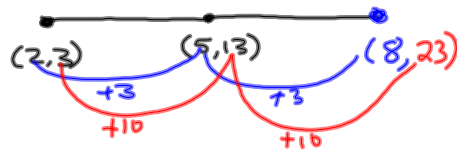
Find midpoint of $(1, 7)$ and $(3, 11)$.

$$\left(\frac{1+3}{2}, \frac{7+11}{2} \right)$$
$$(2, 9)$$

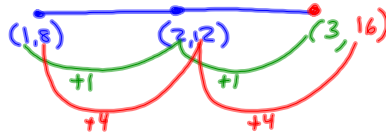
Find the midpoint of $(2, 6)$ and $(4, 10)$

$$\left(\frac{2+4}{2}, \frac{6+10}{2} \right)$$
$$(3, 8)$$

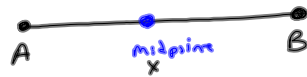
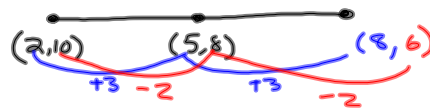
$(2, 3)$ is an endpoint and $(5, 13)$ is the midpoint. Where is the other endpoint?



$(1, 8)$ is an endpoint and $(2, 12)$ is the midpoint. Where is the other endpoint?



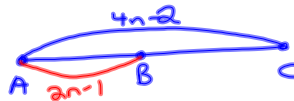
$(2, 10)$ is an endpoint and $(5, 8)$ is the midpoint. Where is the other endpoint?



$$AB = 8n + 6$$

so what is AX ? $4n + 3$

$AC = 4n - 2$. If B is midpoint of \overline{AC} , what is AB ?



$CT = 8n + 4$. If C is midpoint of \overline{AT} , what is AT ?

