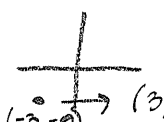
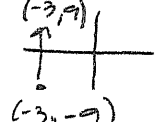
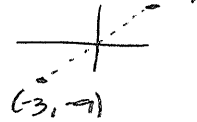


The point $(-3, -9)$ satisfies the equation $y = x \cdot |x|$. Show this: $-9 = -3 \cdot |-3|$
 $-9 = -3 \cdot 3 = -9 \checkmark$

Use this point to test whether the graph of $y = x \cdot |x|$ appears to be symmetric:

<p>a) over the y-axis </p> <p>$(-3, -9) \rightarrow (3, -9)$</p> $-9 \stackrel{?}{=} 3 \cdot 3 $ $-9 \neq 9$ <p style="text-align: center;">NO</p>	<p>b) over the x-axis </p> <p>$(-3, -9) \rightarrow (-3, 9)$</p> $9 \stackrel{?}{=} -3 \cdot -3 $ $9 \stackrel{?}{=} -3 \cdot 3$ $9 \neq -9$ <p style="text-align: center;">NO</p>	<p>c) about the origin </p> <p>$(-3, -9) \rightarrow (3, 9)$</p> $9 \stackrel{?}{=} 3 \cdot 3 $ $9 = 9 \checkmark$ <p style="text-align: center;">YES</p>
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The point $(-3, -9)$ satisfies the equation $y = x \cdot |x|$. Show this:

Use this point to test whether the graph of $y = x \cdot |x|$ appears to be symmetric:

<p>b) over the y-axis</p> <p>$(-3, -9) \rightarrow$</p>	<p>b) over the x-axis</p> <p>$(-3, -9) \rightarrow$</p>	<p>c) about the origin</p> <p>$(-3, -9) \rightarrow$</p>
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