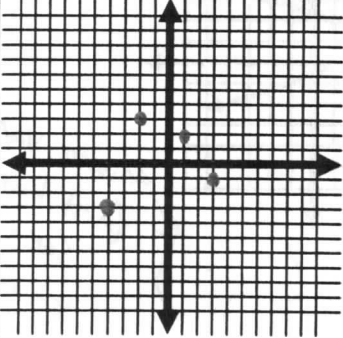
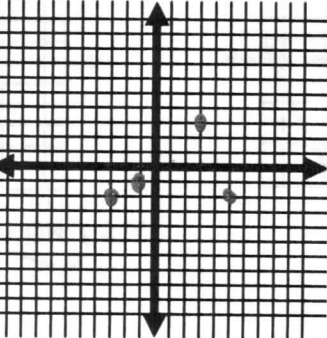
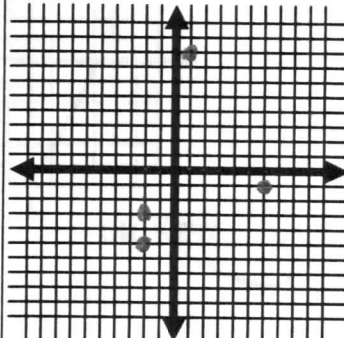
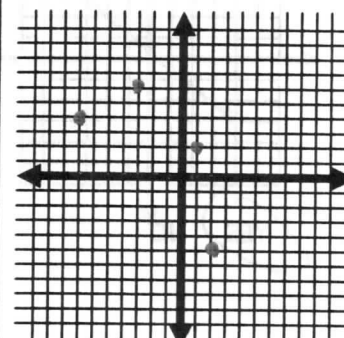


A) List the domain and range of the relation.

B) Plot each point in the relation.

<p>1)</p> <p>$(-2, 3), (1, 2), (3, -1), (-4, -3)$</p>  <p>Domain: $\{-4, -2, 1, 3\}$</p> <p>Range: $\{-3, -1, 2, 3\}$</p>	<p>2)</p> <p>$(5, -2), (-3, -2), (3, 3), (-1, -1)$</p>  <p>Domain: $\{-3, -1, 3, 5\}$</p> <p>Range: $\{-2, -1, 3\}$</p>	<p>3)</p> <p>$(6, -1), (-2, -3), (1, 8), (-2, 5)$</p>  <p>Domain: $\{-2, 1, 6\}$</p> <p>Range: $\{-3, -1, 5, 8\}$</p>	<p>4)</p> <p>$(-7, 4), (2, -5), (1, 2), (-3, 6)$</p>  <p>Domain: $\{-7, -3, 1, 2\}$</p> <p>Range: $\{2, 4, 6\}$</p>
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Determine if each relation is a function or not. If not, give two points that prove it is not a function.

<p>5)</p> <p>$(3, -2), (0, 1), (1, 0), (-2, -1), (2, -1)$</p> <p>yes</p>	<p>6)</p> <p>$(2, -5), (-2, 5), (-1, 4), (-2, 0), (3, -4)$</p> <p>No $(-2, 5)$ $(-2, 0)$</p>	<p>7)</p> <p>$(0, 1), (1, 0), (2, 3), (3, 2), (4, 4)$</p> <p>yes</p>	<p>8)</p> <p>$(-1, -1), (2, 5), (4, 8), (-5, -9), (-1, -5)$</p> <p>No $(-1, -1)$ $(-1, -5)$</p>
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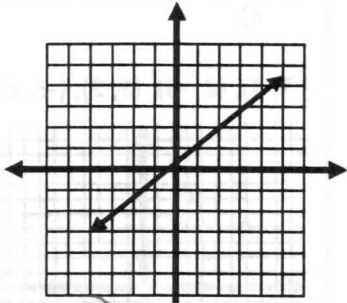
9) Consider this function: $\{(6, 1), (4, 9), (2, -5)\}$

Add a point so that it is still a function: _____

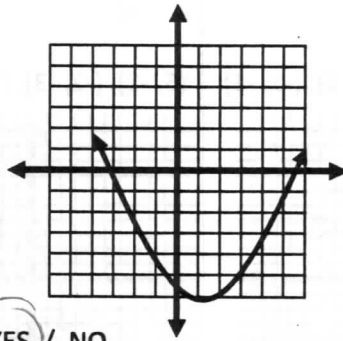
Add a point so that it is no longer a function: _____

\leftarrow (answers vary) \rightarrow must have different x-value
 \rightarrow must have same x-value as one already used

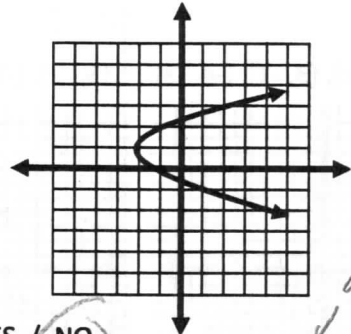
10) Are the following relations a function? If not, give two points that prove it!



YES / NO



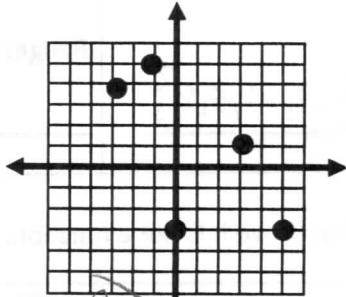
YES / NO



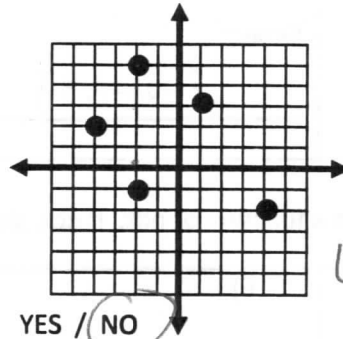
YES / NO

answers vary
(must have
same
x-coordinate)

()
()

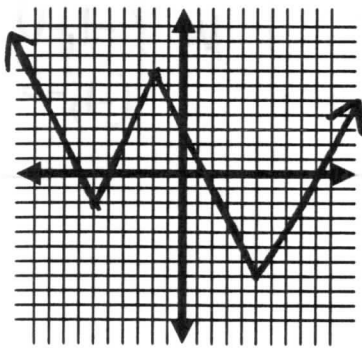


YES / NO

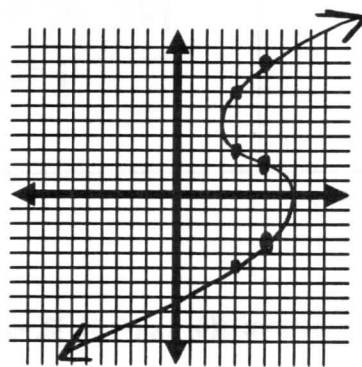


YES / NO

(2, 5)
(-2, -1)



YES / NO



YES / NO

answers vary
(must have
same
x-coordinate)

()
()