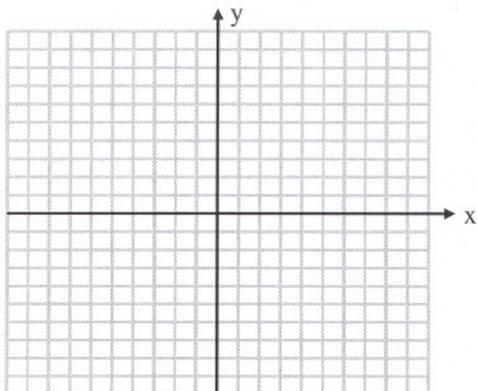Name_____   **Square Root Inequalities**

Make a table and graph the solution to the given inequality. Then determine whether the given answer is a solution to the given inequality.
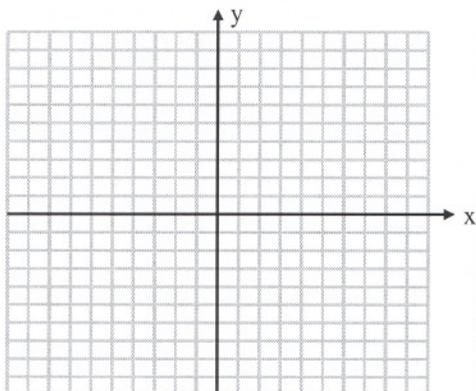
1. $\sqrt{x} + 4 > 1; x = 2$

x	y

Solution:_____

$x = 2$ a solution? Yes or No

2. $2(x-3)^{\frac{1}{2}} \leq 4; x = -10$

x	y

Solution:_____

$x = -10$ a solution? Yes or No

3. $\sqrt{x-1} < -3; x = \sqrt{10}$

x	y
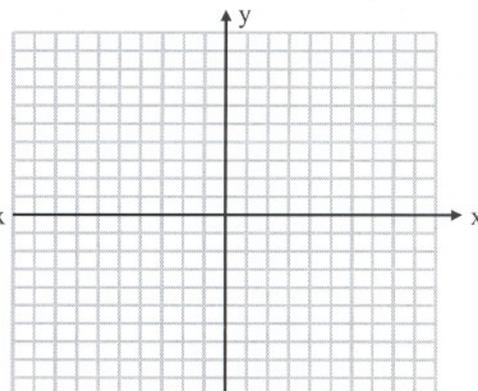
Solution:_____

$x = \sqrt{10}$ a solution? Yes or No

4. $\sqrt{x} > -2; x = 2$

x	y
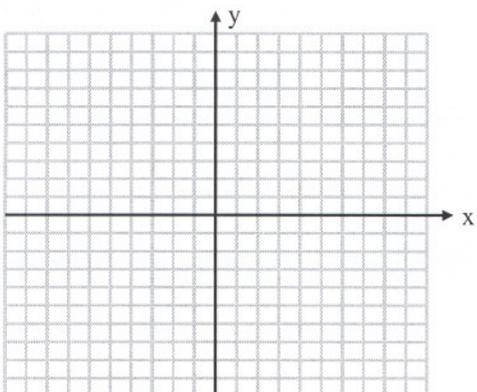
Solution:_____

$x = 2$ a solution? Yes or No

5. $(x+7)^{\frac{1}{2}} \leq 4; x = 9$

x	y
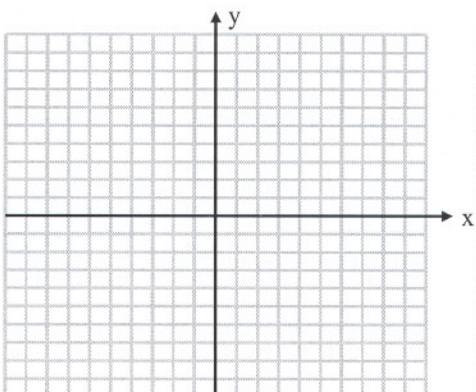
Solution:_____

$x = 9$ a solution? Yes or No

6. $\sqrt{2x+2} < 4; x = \frac{1}{2}$

x	y
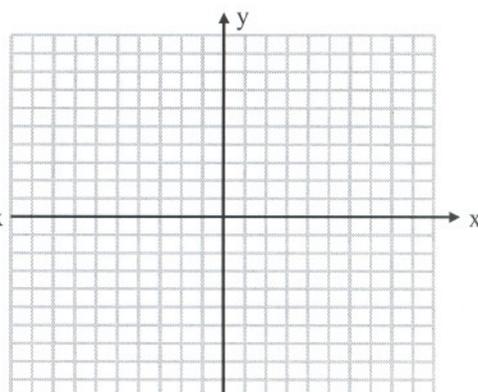
Solution:_____

$x = \frac{1}{2}$ a solution? Yes or No