

Section 9.5 Worksheet

Name: _____

Set each equation equal to 0.

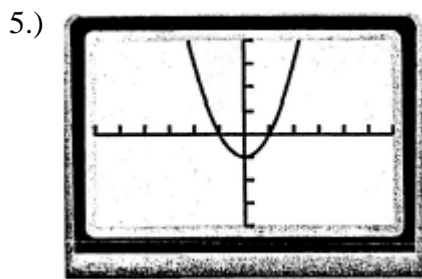
1.) $3x^2 = 7$

2.) $5 = 2x^2 - 4x$

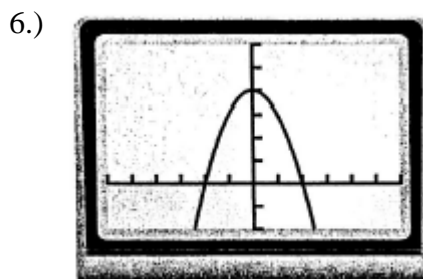
3.) $-x^2 = -3x$

4.) $6x^2 - 4x = 8$

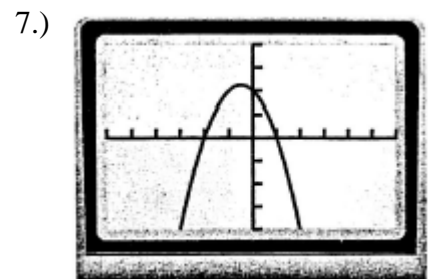
For each quadratic equation, use the graph to identify the solutions of the equation.



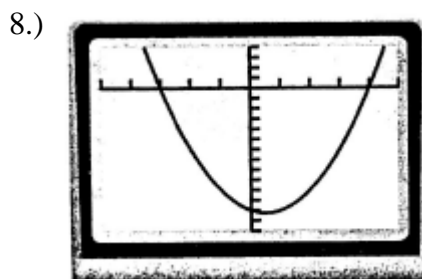
solutions: _____



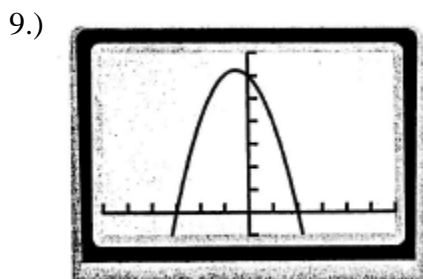
solutions: _____



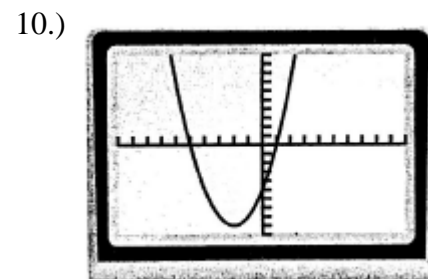
solutions: _____



solutions: _____



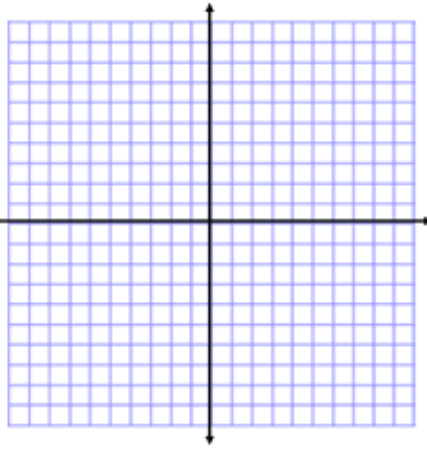
solutions: _____



solutions: _____

Solve the following equations by graphing.

11.) $x^2 - 4 = 0$



AOS: _____

vertex: _____

y-int: _____

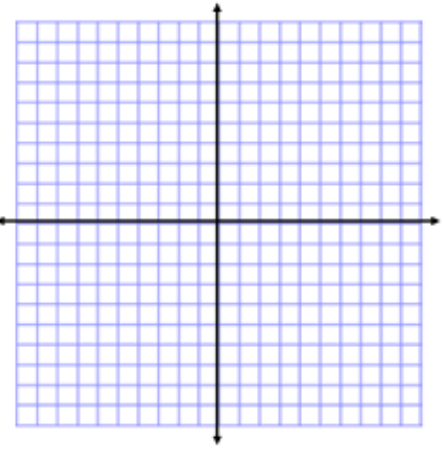
opens: _____

solution/s: _____

x					
y					

Check your solution:

12.) $x^2 - x = 2$



AOS: _____

vertex: _____

y-int: _____

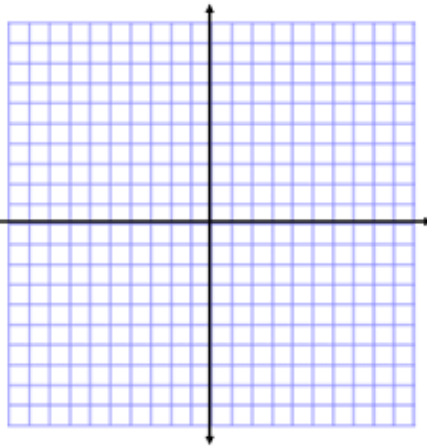
opens: _____

solution/s: _____

x					
y					

Check your solution:

13.) $x^2 - 3x = 4$



AOS: _____

vertex: _____

y-int: _____

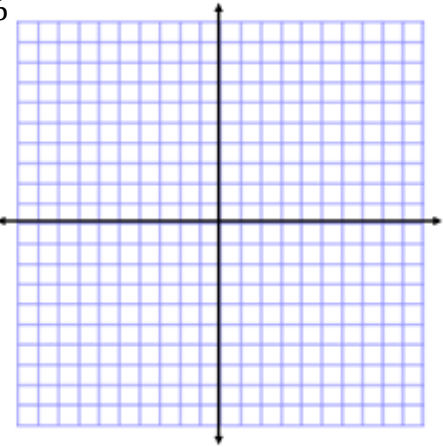
opens: _____

solution/s: _____

x					
y					

Check your solution:

14.) $-2x^2 - 4x = -6$



AOS: _____

vertex: _____

y-int: _____

opens: _____

solution/s: _____

x					
y					

Check your solution: