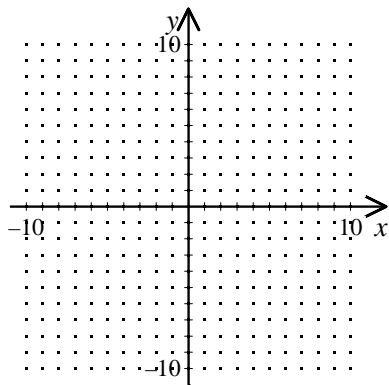


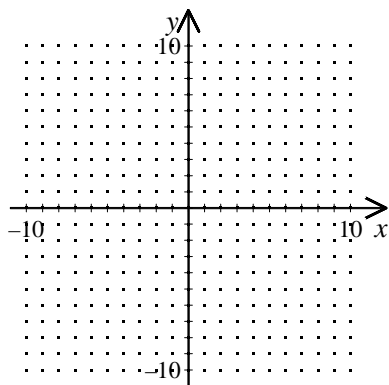
P.I. A.G.8: Find the roots of a parabolic function graphically (Note: Only quadratic equations with integral solutions)

1. Solve $x^2 + 6x + 8$ by graphing.



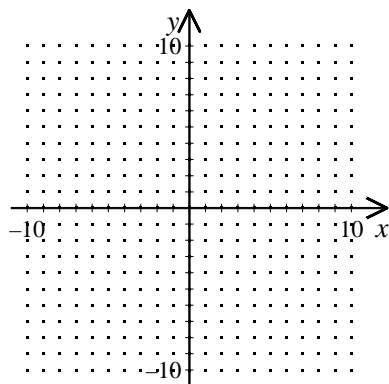
[1] _____

2. Solve $x^2 + x - 6$ by graphing.



[2] _____

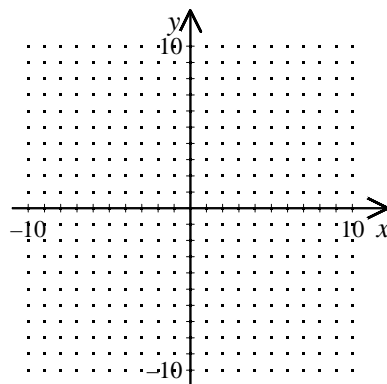
3. Graph the following equation, and determine the roots, if they exist. $y = 5x^2 - 20x + 15$



[3] _____

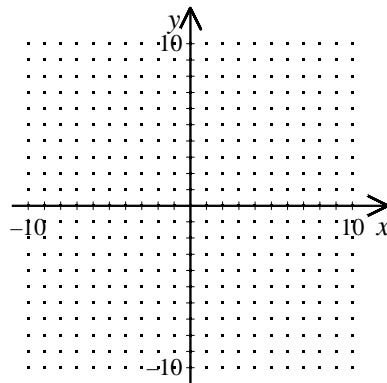
NAME: _____

4. Graph the following equation, and determine the roots, if they exist. $y = 3x^2 + 3x - 6$



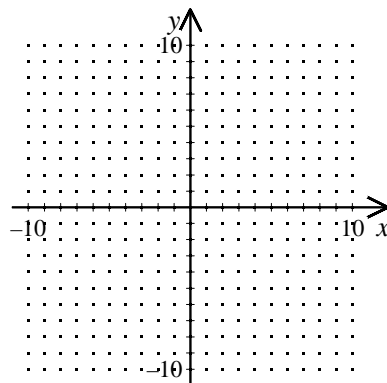
[4] _____

5. Graph the following equation, and determine the roots, if they exist. $y = 5x^2 - 25x + 30$



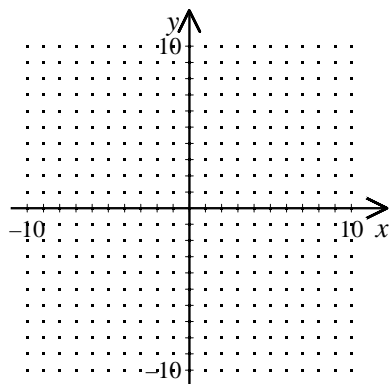
[5] _____

6. Graph the following equation, and determine the roots, if they exist. $y = 5x^2 - 30x + 40$



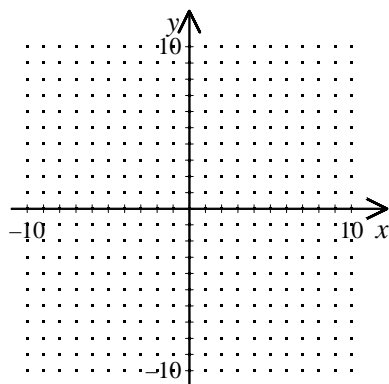
[6] _____

7. Graph the following equation, and determine the roots, if they exist. $y = 3x^2 - 9x + 6$



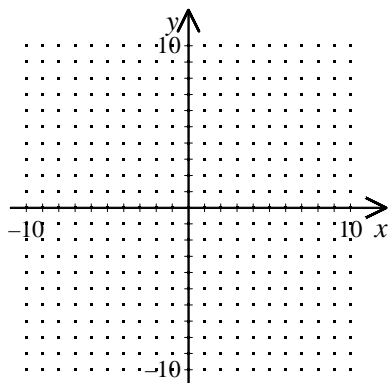
[7] _____

8. Graph the following equation, and determine the roots, if they exist. $y = 3x^2 - 18x + 24$



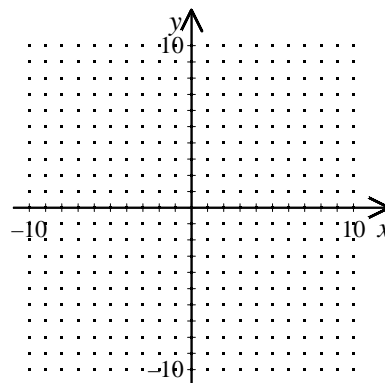
[8] _____

9. Solve $2x^2 - 14x + 20$ by graphing.



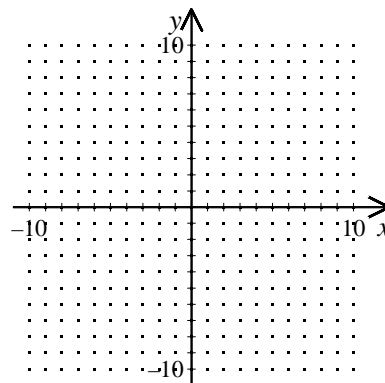
[9] _____

10. Solve $2x^2 - 22x + 60$ by graphing.



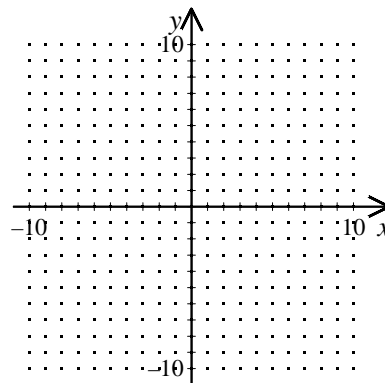
[10] _____

11. Solve $2x^2 - 26x + 80$ by graphing.

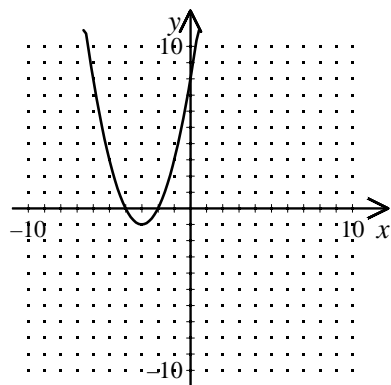


[11] _____

12. Solve $2x^2 + 18x + 36$ by graphing.

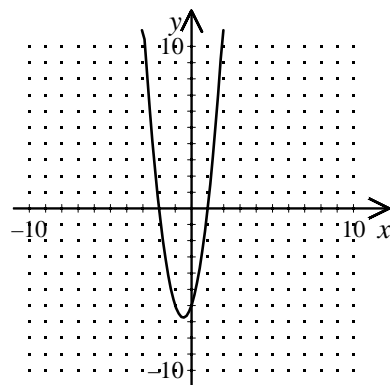


[12] _____

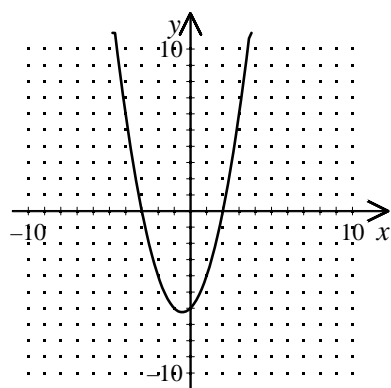


$x = -4$ and x

[1] $= -2$

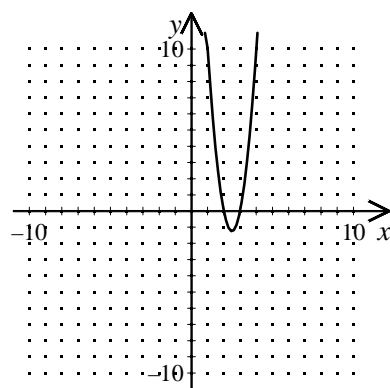


[4] $x = -2, 1$

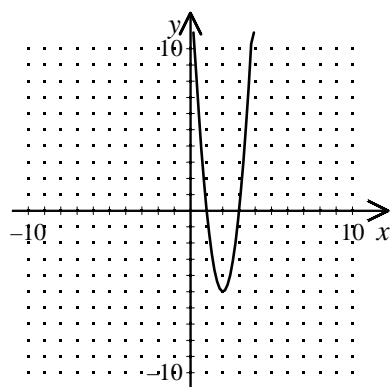


$x = -3$ and x

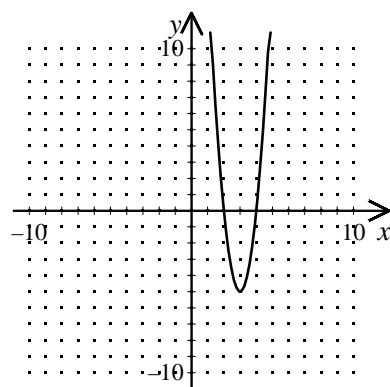
[2] $= 2$



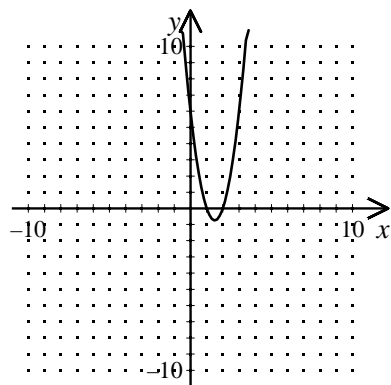
[5] $x = 2, 3$



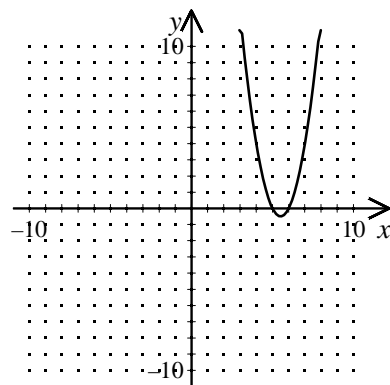
[3] $x = 1, 3$



[6] $x = 2, 4$

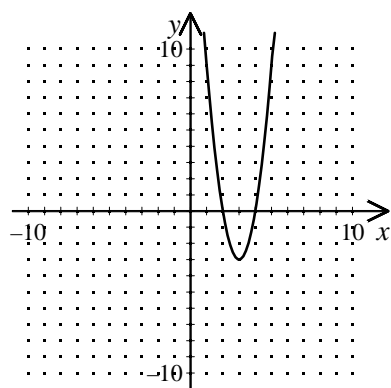


[7] $x = 1, 2$

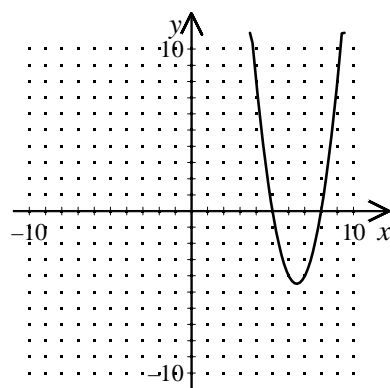


$x = 5$ and x

[10] $= 6$

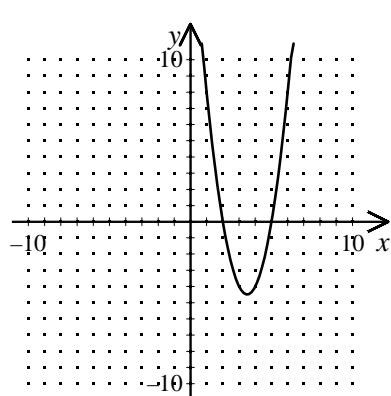


[8] $x = 4, 2$



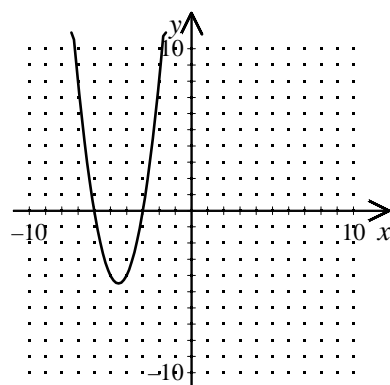
$x = 5$ and x

[11] $= 8$



$x = 5$ and x

[9] $= 2$



$x = -3$ and x

[12] $= -6$
