Math 10D Name_____

Factored Form

Date_____

Convert to Zeros Form, then state the zeros, AoS and vertex.

1) $y = 2x^2 - 24x + 70$

2) $y = -4x^2 + 20x - 16$

3) $y = -x^2 + 9x - 18$

4) $y = x^2 + 10x + 25$

5) $y = -4x^2 - 12x$

6) $y = 3x^2 - 15x - 150$

7) $y = 6x^2 - 96$

8) $y = x^2 + 4x - 60$

9) $y = 5x^2 + 18x + 16$

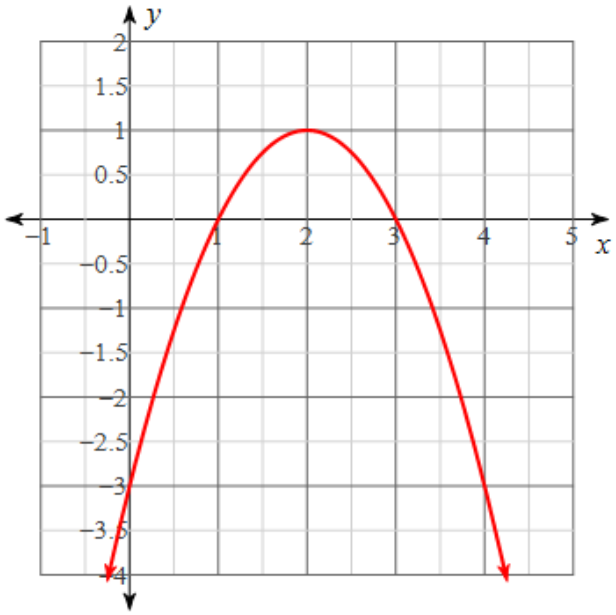
10) $y = 2x^2 - 7x + 5$

11) $y = 8x^2 + 30x + 27$

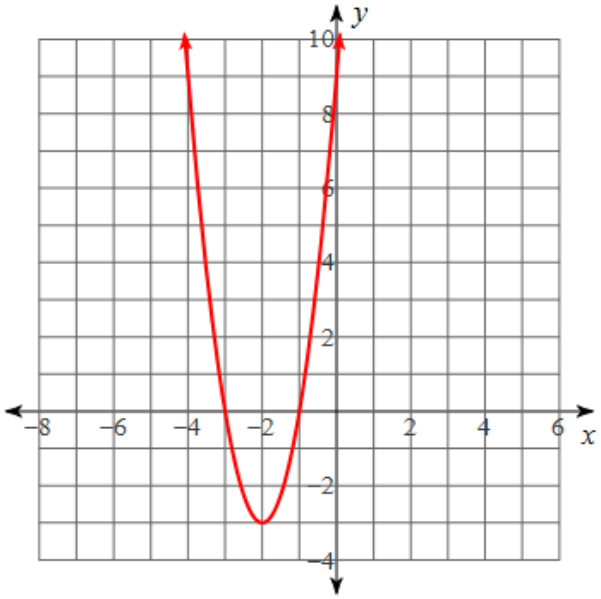
12) $y = -4x^2 + 45x - 50$

Write the parabolas in both Zeros Form and Standard Form.

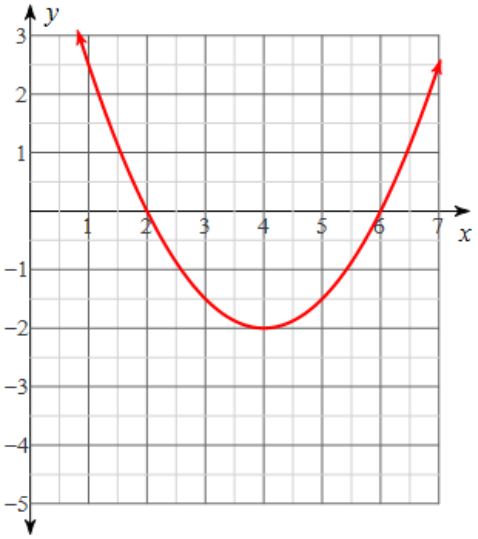
13.



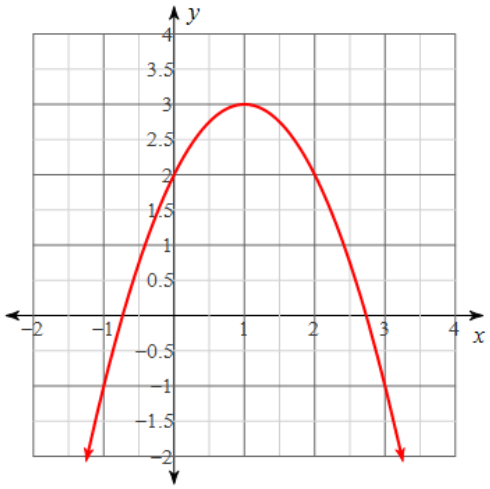
14.



15.



16. Estimate the zeros, but make sure that the average of the zeros is the AoS.



17. Make your own! Your zeros are x=____ and x=____. A point on the graph is (____,____). What is the zeros form?