

Factor and Graph

Name _____

To help you graph

- a) Find the x-intercepts b) the y-intercept c) Then end behavior

1. $y = 4x^3 - 12x^2 - 5x + 15$

2. $y = x^3 - 3x^2 + 2x$

3. $y = 4x^3 - 12x^2 + 8x$

4. $y = 4x^4 - 5x^2 + 4$

5. $y = 18x^3 + 24x^2 + 8x$

6. $y = (x - 3)(x + 2)(x - 4)^2$

7. $y = (x - 1)^2(x + 2)^2(x - 4)$