

Name _____

Date _____

Graphing Polynomials Worksheet**For #1-9, draw a SKETCH of each polynomial.**

1. $y = 3(x + 2)(x - 1)^2$

2. $f(x) = x^4 - 5x^2 + 4$

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

4. $y = 5(x - 2)(x - 1)(x - 3)$

5. $y = (x - 1)(x + 3)^2$

6. $f(x) = 4x^4 + 12x^2 + 9$

7. $f(x) = 25x^4 - 10x^2 + 1$

8. $y = (x + 2)(x - 5)(x - 1)$

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