

Accelerated Math 2
Graphing Polynomials

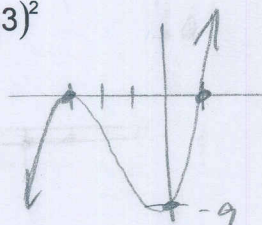


Name _____

Graph the function.

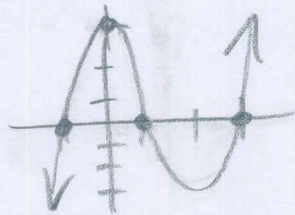
1. $f(x) = (x-1)(x+3)^2$

degree 3
↙ m ↗



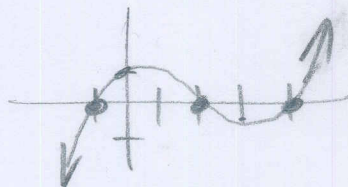
2. $f(x) = (x-1)(x+1)(x-3)$

degree 3
↙ m ↗



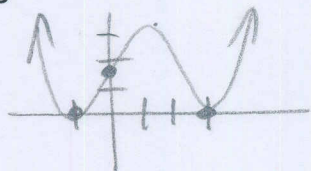
3. $f(x) = \frac{1}{8}(x+1)(x-2)(x-4)$

degree 3
↙ m ↗



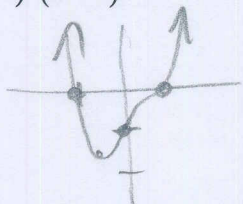
4. $f(x) = \frac{1}{5}(x-3)^2(x+1)^2$

degree 4
↖ m ↗



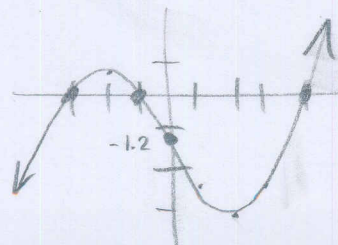
5. $f(x) = (x-1)^3(x+1)$

degree 4
↖ m ↗



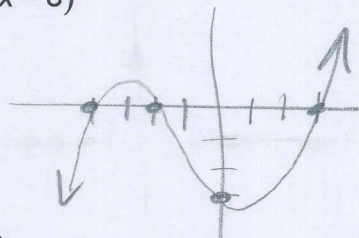
6. $f(x) = \frac{1}{10}(x+3)(x+1)(x-4)$

degree 3
↙ m ↗



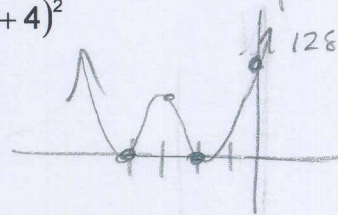
7. $f(x) = \frac{1}{8}(x+4)(x+2)(x-3)$

degree 3
↙ m ↗



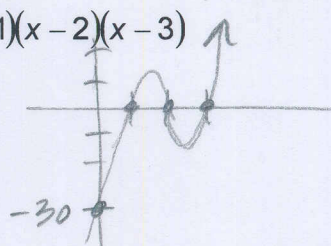
8. $f(x) = 2(x+2)^2(x+4)^2$

degree 4
↖ m ↗



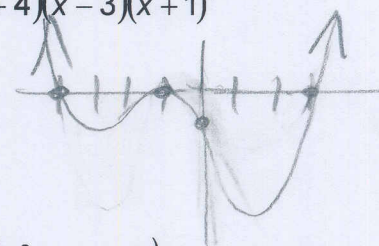
9. $f(x) = 5(x-1)(x-2)(x-3)$

degree 3
↙ m ↗



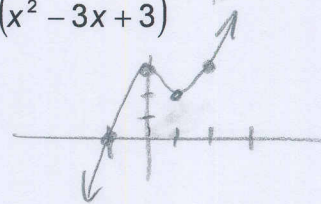
10. $f(x) = \frac{1}{12}(x+4)(x-3)(x+1)^2$

degree 4
↖ m ↗



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

degree 3
↙ m ↗



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

degree 3
↙ m ↗

