

Alg 2 Polynomial Review Day2

Name_____hr__

1. Factor the polynomial function

$$f(x) = x^2 + 6x + 8$$

2. For how many values of x will $f(x) = 0$?

$$f(x) = x^2 - 7x + 10$$

For how many values of x will $f(x) = 0$?

Factor the polynomials (3-5) completely. Where does it cross the x axis?

3. $f(x) = x^4 - 12x^2 + 27$

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

5. $f(x) = x^4 + 4x^2 + 3$

6. For the polynomial $g(x)$, $g(-5) = 0$ & $g(2) = 0$. Write a function for $g(x)$ in standard form.

Assume $g(x)$ is quadratic.