

Name _____

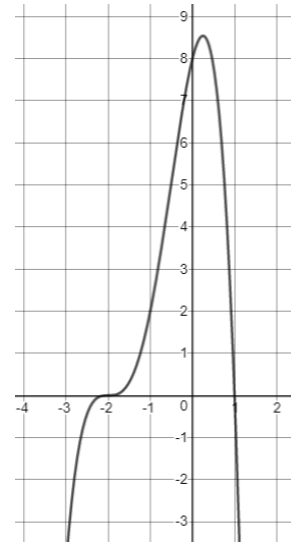
Algebra 2 & Trig

Unit 3 Target 4 Remediation

1. Which defines a polynomial function with zeros -2, 1, 0, and 3?

- a. $f(x) = x(x - 2)(x + 1)(x + 3)$
- b. $f(x) = x(x - 2)(x - 1)(x - 3)$
- c. $f(x) = x(x + 2)(x - 1)(x - 3)$
- d. $f(x) = (x - 2)(x + 1)(x + 3)$

2. Assuming $a = -1$, write a function of least degree in factored form for the graph.



Write the polynomial function in factored form for the given features or graph.

3. This fifth-degree polynomial function has $a = 4$, a terrace point at 3, and other roots of $\pm 3i$ and $\frac{1}{5}$.

