

NAME

QUARTER

GRADE & SECTION

DATE

Activity: **Intercepts and Zeros of a Polynomial Function**

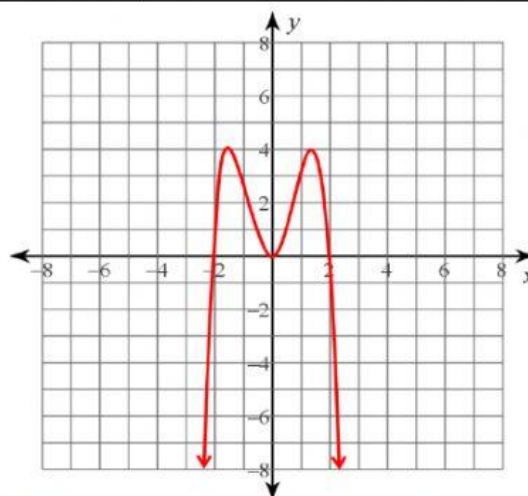
Determine the intercepts of the given polynomial function and the behavior of the graph relative to x-axis at its root.

1. $f(x) = (x + 1)^5(x - 3)^3(x - 4)^2$

The y-intercept is

Zeros	Multiplicity	Characteristic of Multiplicity	Behavior of the graph relative to x-axis at its root

2. $g(x) = -x^4 + 4x^2$



The y-intercept is

Zeros	Characteristic of Multiplicity	Behavior of the graph relative to x-axis at its root

How many attempts? ____.
How well did you do?



Need help!



Just OK!



Splendid

I HAVE TO KEEP IN MIND THAT...