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Office Hours:

ARC 116
Monday: 2PM - 3PM
Wednesday: 2PM - 3PM

Map of Campus Resources

Question of the Day

Why do you want to study math?

On the Docket

Introductions
Quiz
Concept check

Question 1

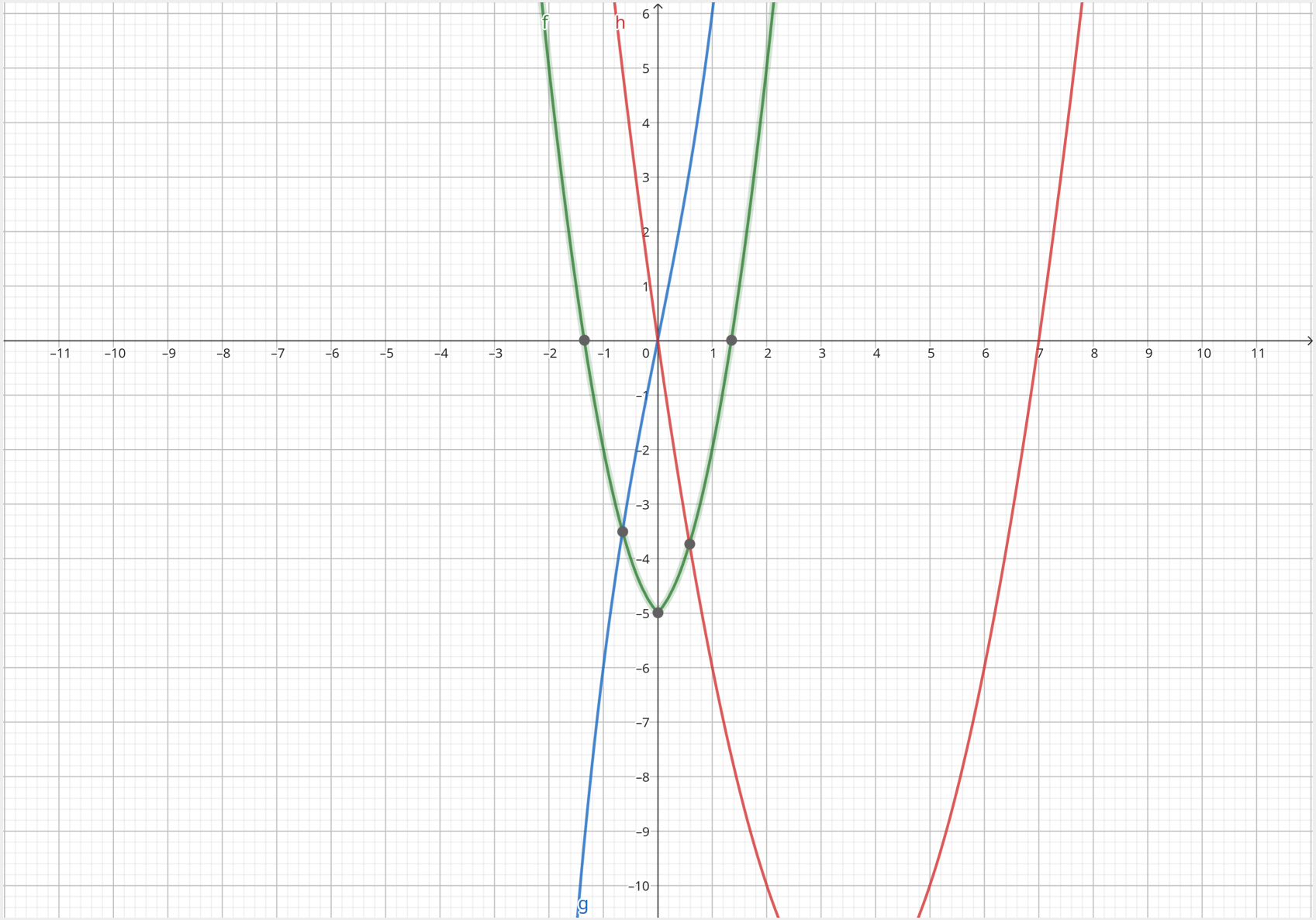
Determine whether the following functions are even, odd, or neither:

a) $f(x) = |x| + 2x^2 - 5$

b) $g(x) = x^3 + 5x$

c) $h(x) = x^2 - 7x$

Quiz



Concept Check

In your own words, describe a(n):

- Equation.
- Function.
- Graph of a function.
- Zero of a function.

Given the function

$$y = \frac{x^2 - 2}{x + 3}$$

What can you say about the function?

- Dependent variable?
- Independent variable?
- Domain?
- Range?
- Even, odd, neither?

Concept Check

Give an example of a function that is

- Increasing.
- Constant.
- Decreasing.

Given the function

$$z(x) = x^3 + 2x^2$$

What are the

- Local maxima?
- Local minima?
- Rate of change between $x = 0$ and $x = 1$?
- Absolute maxima?
- Absolute minima?