

## Peer review

- please tell me if you can't!

## Midterm Feedback

- 72 said you can ask questions.
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Identify the flaw in .

$$x = 0$$

$$x(x-1) = 0$$

$$x^2 - x = 0$$

$$x - 1 = 0$$

$$x = 1$$

$$0 = 1$$

divided by 0

The author divided by 0 between lines 3 and 4, which is not defined

Consider eqn.

$$x + 3 = 2x$$

← eqn. of numbers

Take deriv. of both sides:

↑  
treats  
as fns.

$$1 = 2$$

Where is the flaw?

$f'(x) = g'(x)$  if and only if

$f(x) = g(x) + C$  for some  $C \in \mathbb{R}$ .

The author says that for  $f(x) = x + 3$   
and  $g(x) = 2x$ ,  $f'(x) = g'(x)$ , which  
is incorrect b/c  $f$  and  $g$  do  
not differ by a constant

What does a good "identify a flaw in the following argument" answer look like?

- identify facts needed for the argument to work
- identify how the argument fails to use those facts
- View the argument as a seq. of steps, focus on the first wrong step.