Monday, October 1, 2018 12:31 PM

(20) $f(x) = \sqrt[3]{x} = x^{1/3}$ $a = 8$

$f'(x) = \frac{1}{3}x^{-2/3}$ $f'(8) = \frac{1}{3}(8)^{-2/3}$

$= \frac{1}{3 \cdot 8^{2/3}} = \frac{1}{12}$ $f(8) = 2$

$y - 2 = \frac{1}{12}(x - 8)$

Contrapositive

If it's a Monday in October, it's a school day.

If it's not a school day, it's not a Mon. in Oct.

differentiable → continuous

Contrapositive is:

not continuous → not differentiable