Name:		
itallic.		

Winter Break Warm up! to be followed by Jeopardy

- 1. What does the derivative tell you about a function?
- 2. What does it mean for the derivative to be : Negative? Positive?

Zero?

- 3. What does the second derivative tell you about a function?
- 4. What does it mean for the second derivative to be: Positive? Negative?

Zero?

Find the first and second derivative of each function:

second derivative

$$y = 3x^4 + 7x - 2$$

$$y = 5/x^3$$

$$y = 8\sqrt{x}$$

$$y = \sqrt[3]{x}$$