

## Solutions

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Each answer shows the steps, then the **result**.

**2.1**

- $f' = 0$

**2.2**

- positive ( $f' > 0$ )

**2.3**

- $f'$  is increasing

**3.1 B**

**3.2 B**

**3.3**

(a)

- 0

(b)

- negative

(c)

- positive