

## Solutions

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

### 2.1

- if  $g \leq f \leq h$  near  $a$  and  $g, h$  have the same limit  $L$  at  $a$ , then  $f$  also has limit  $L$

### 2.2

- they must be equal (both equal  $L$ )

### 2.3

- $\lim_{x \rightarrow 0} f(x) = 0$

### 3.1 A

### 3.2 B

### 3.3

(a)

- 0

(b)

- 0

(c)

- 0