



## Limits Quiz

1. Evaluate:  $\lim_{x \rightarrow 2} 2004$

**A** 0

**B** 2004

**C** 2

**D** The limit does not exist.

**E** None of the above.

2. Evaluate:  $\lim_{x \rightarrow 1} |x|$

**A** 0

**B** -1

**C** 1

**D** The limit does not exist.

**E** None of the above.

3. Evaluate:  $\lim_{x \rightarrow 2} \frac{x^2 + x - 20}{x - 4}$

**A** -9

**B** 1

**C** 9

**D** The limit does not exist.

**E** None of the above.

4. Evaluate:  $\lim_{x \rightarrow 2} \left( \frac{1}{x-2} - \frac{4}{x^2-4} \right)$

**A**  $\frac{1}{2}$

**B** -1

**C** 4

**D** The limit does not exist.

**E** None of the above.

5. Evaluate:  $\lim_{x \rightarrow 4} \frac{x^4 + 3x^3 - 13x^2 - 27x + 36}{x^2 + 3x - 4}$

**A** -1

**B** 1

**C** 8

**D** The limit does not exist.

**E** None of the above.

6. Evaluate:  $\lim_{x \rightarrow 4} \frac{x^2 - x^2 - x - 15}{2x - 6}$

**A** 20

**B** 10

**C** 0

**D** The limit does not exist.

**E** None of the above.