

2.1/2.2 – Limits and Continuity – Extra Limit Practice

Verify the following limits using ε 's and δ 's.

(1)

$$\lim_{x \rightarrow 2} (x^2 - 1) = 3$$

(2)

$$\lim_{x \rightarrow 3} (2x + 5) = 11$$

(3)

$$\lim_{x \rightarrow -1} (5 - 2x) = 7$$

(4)

$$\lim_{x \rightarrow 3} \frac{1}{x^2} = \frac{1}{9}$$