Name _Solutions_____ Quiz 1

Find each of the following limits.

$$\lim_{x\to 1} 2x^3 - 3x^2 + 4x + 5 = 2 - 3 + 4 + 5 = 8$$

$$\lim_{x\to 3} \frac{2x^2 - 5x - 3}{x - 3} = \lim_{x\to 3} \frac{(2x+1)(x-3)}{x-3} = \lim_{x\to 3} 2x + 1 = 7$$

$$\lim_{x\to 3^-} \frac{(x-1)(x-2)}{x-3} = -\infty$$