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1)  $\lim_{x \rightarrow 7} \sqrt{2x+1} = \sqrt{2(7)+1} = \sqrt{14+1} = \sqrt{15} = 3$

2)  $\lim_{x \rightarrow 0} \frac{x^2-3x}{x} = \frac{x(x-3)}{x} = x-3 = 0-3 = -3$

3)  $\lim_{x \rightarrow \infty} \frac{4x^3-2x+1}{2x^3+5x^2-3} = \frac{\frac{4x^3}{x^3} - \frac{2x}{x^3} + \frac{1}{x^3}}{\frac{2x^3}{x^3} + \frac{5x^2}{x^3} - \frac{3}{x^3}} = \frac{4 - \frac{2}{x^2} + \frac{1}{x^3}}{2 + \frac{5}{x} - \frac{3}{x^3}} = 2$

4)  $\lim_{x \rightarrow -1} \frac{2x+1}{x^2+3} = \frac{2(-1)+1}{(-1)^2+3} = \frac{-2+1}{1+3} = \frac{-1}{4}$

5)  $\lim_{x \rightarrow -1} \frac{2x+1}{x^2+3} = \frac{-2+1}{1+3} = \frac{-1}{4}$