

1) Find each of the following limits if possible

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

2) $\lim_{x \rightarrow 3} \frac{x^2-x-6}{x-3} = \underline{\hspace{2cm}}$

3) $\lim_{x \rightarrow 2} \frac{x^2-x-2}{x^2-4} = \underline{\hspace{2cm}}$

4) $\lim_{x \rightarrow 0} \frac{2x}{3-\sqrt{x+9}} = \underline{\hspace{2cm}}$

5) $\lim_{x \rightarrow 4} \frac{x^3-64}{x-4} = \underline{\hspace{2cm}}$