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Calculus Worksheet: Limits of Functions (1)

Find the following limits

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

2. $\lim_{x \rightarrow -\infty} \frac{x^4 + 2x^2 - 3x}{4x^3}$

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3. $\lim_{x \rightarrow -\infty} \frac{x-1}{|x+2|}$

4. $\lim_{x \rightarrow 2^-} \frac{x^2 + x - 6}{|x - 2|}$