

Each problem is worth 0 points. In the event of a real quiz you would have received fair warning.

1. Evaluate $\lim_{x \rightarrow \infty} \frac{3x - 2}{6x + 1} = \frac{1}{2}$

2. Evaluate $\lim_{t \rightarrow \infty} \frac{\sqrt{t} + 3t^2}{5t - t^2} = -3$

3. Evaluate $\lim_{x \rightarrow \infty} \left(\sqrt{9x^2 + x} - 3x \right) = \frac{1}{6}$