Calculus Worksheet: Limits of Functions (3)

Find the following limits

1. $\lim_{x \to \infty} \frac{3\sin x}{x}$

2. $\lim_{x \to 0} \frac{\cos x - 1}{\tan x}$

3. $\lim_{x \to 0} \frac{\sin(5x)}{\sin(2x)}$