67. \( \lim_{x \to 0} \frac{\sin x}{5x} = \lim_{x \to 0} \left[ \frac{(\sin x)}{x} \left( \frac{1}{5} \right) \right] = (1) \left( \frac{1}{5} \right) = \frac{1}{5} \)

69. \( \lim_{x \to 0} \frac{\sin x(1 - \cos x)}{2x^2} = \lim_{x \to 0} \left[ \frac{1}{2} \cdot \frac{\sin x}{x} \cdot \frac{1 - \cos x}{x} \right] = \frac{1}{2}(1)(0) = 0 \)

71. \( \lim_{x \to 0} \frac{\sin^2 x}{x} = \lim_{x \to 0} \left[ \frac{\sin x}{x} \cdot \sin x \right] = (1) \sin 0 = 0 \)

73. \( \lim_{h \to 0} \frac{(1 - \cos h)^2}{h} = \lim_{h \to 0} \left[ \frac{1 - \cos h}{h} \cdot (1 - \cos h) \right] = (0)(0) = 0 \)

75. \( \lim_{x \to \pi/2} \frac{\cos x}{\cot x} = \lim_{x \to \pi/2} \sin x = 1 \)

77. \( \lim_{t \to 0} \frac{\sin 3t}{2t} = \lim_{t \to 0} \left( \frac{\sin 3t}{3t} \cdot 3 \right) = (1) \left( \frac{3}{2} \right) = \frac{3}{2} \)