

NAMA :

KELAS :

LIMIT FUNGSI TRIGONOMETRI

$$\lim_{x \rightarrow 0} \left(\frac{1 - \cos 2x}{1 - \cos 6x} \right) = \dots$$

$$\frac{1}{3}$$

$$\lim_{x \rightarrow 0} \left(\frac{\cos 4x \sin 3x}{5x} \right) = \dots$$

$$6$$

$$\lim_{x \rightarrow -3} \frac{x^2 + 6x + 9}{2 - 2 \cos(2x + 6)} = \dots$$

$$-2\sqrt{2}$$

$$\lim_{x \rightarrow 0} \frac{2x \sin 3x}{1 - \cos 6x} = \dots$$

$$\sqrt{2}$$

$$\lim_{x \rightarrow 0} \frac{1 - \cos 4x}{x^2} = \dots$$

$$\frac{1}{4}$$

$$\lim_{x \rightarrow \frac{\pi}{4}} \frac{\cos 2x}{\cos x - \sin x} = \dots$$

$$\frac{1}{9}$$

$$\lim_{x \rightarrow \frac{1}{4}\pi} \frac{\frac{1}{\sin x} - \frac{1}{\cos x}}{x - \frac{1}{4}\pi} = \dots$$

$$\frac{3}{5}$$

$$\lim_{x \rightarrow 0} \frac{\cos x - \cos 5x}{x \tan 2x} = \dots$$

$$8$$