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E. 6.

$$\lim_{x \rightarrow +\infty} \left[\sin e \frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7} \right] \frac{2x^2 + 10x + 3}{3x^4 - 6x^3 + 7}$$

$$= \frac{\cos x - 2x^5}{28mx + 5x^3 + 3x + 7}$$

$$\frac{2x^2 - 10x + 3}{3x^4 - 6x^3 + 7} \log \sin e$$

$$= \lim_{x \rightarrow +\infty} e$$

$$\frac{2x^2 - 10x + 3}{3x^4 - 6x^3 + 7} \cdot \frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7}$$

$$= \lim_{x \rightarrow +\infty} e$$

$$\frac{2x^2 - 10x + 3}{3x^4 - 6x^3 + 7} \frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7}$$

$$= \lim_{x \rightarrow +\infty} e$$

$$\frac{2x^2 - 10x + 3}{3x^4 - 6x^3 + 7} \log \sin e \frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7}$$

$$= \lim_{x \rightarrow +\infty} e$$

$$\frac{-3x + 5}{5x^3 + 3x + 7}$$

$$\frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7}$$

$\sin e$

$\log \sin e$

$$\frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7}$$

$$\frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7}$$

$$\frac{3x + 5}{5x^3 + 3x + 7}$$

$$\frac{\cos x - 2x^5 - 3x + 5}{28mx + 5x^3 + 3x + 7}$$

e

$=$

$$\lim_{x \rightarrow +\infty} \frac{2x^2 - 10x + 3}{3x^4 - 6x^3 + 7} = \lim_{x \rightarrow +\infty} \frac{2x - 2x^5 - 3x + 5}{2nx + 5x^3 + 7x + 7}$$

$$\lim_{x \rightarrow +\infty} \frac{2x^4 - 10x + 3}{3x^4 + 6x^3 + 7} = 0 \cdot 0$$

$$= \lim_{x \rightarrow +\infty} \frac{2 \cdot \left(-\frac{2}{5}\right) - \frac{4}{15}}{3} = 2$$

$$+ \frac{2x^7 - 10x + 3}{3x^4 + 6x^3 + 7} = \frac{2nx - 2x^5 - 3x + 5}{2nx + 5x^3 + 7x + 7}$$

$$\frac{2nx}{x^5} - 2 - \frac{3}{x^4} + \frac{5}{x^5}$$

$$\frac{2nx}{x^3} + 5 + \frac{3}{x^2} + \frac{7}{x^7}$$