

BÀI TẬP ÔN TẬP 1

Bài 1. Tìm các giới hạn sau :

1) $\lim \frac{7n^2 - 2n + 3}{14n^2 + 9}$

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2) $\lim \frac{4n^2 - 10n + 1}{(n-1)(2n+3)}$

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3) $\lim \frac{(2n^2 + 2)(n-1)^2}{(5n+3)^3(n+1)}$

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4) $\lim \frac{2n^2 - 1}{5n^2 + n}$

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5) $\lim \frac{4n^3 - 2n + 7}{(n^2 + 9n)n}$

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6) $\lim \frac{\sqrt[3]{8n^3 + n}}{n-3}$

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$$7) \quad \lim \frac{(4n-3)^2}{2n^2+3n-1}$$

$$8) \quad \lim \frac{2n^2-4n+5}{8n^2+n-4}$$

$$9) \quad \lim \frac{2n^4-n+1}{(2n+1)(1-n)(n^2+2)}$$

$$10) \quad \lim \frac{(n^2+2)(n+1)^2}{(n-1)(3n-2)^3}$$

$$11) \quad \lim \frac{(n+1)(n-3)(n-2)}{(2n^2+1)(3-n)}$$

$$12) \quad \lim \frac{1+2n-5n^2}{2n^2-2n+1}$$

$$13) \quad \lim \frac{2n^2-2\sqrt{n}+9}{-n^2+4\sqrt{n}-12}$$

$$14) \quad \lim \frac{(2n+1)(1+3n)(-4n-2)}{(5n+1)^3}$$

$$15) \quad \lim \frac{(3n+4)(n^2-n+12)}{3n(4+n-2n^2)}$$

$$16) \quad \lim \frac{7n^4-2n^2+1}{(n^2+2)(4-n)(n+19)}$$

$$17) \quad \lim \frac{(2n^3+7n^2)(3n-2)}{n^4-3n^2+81}$$