LKPD MTK TL

LEMBAR KEGIATAN PESERTA DIDIK
MATEMATIKA TINGKAT LANJUT
SMA NEGERI 1 TENGGARONG

Pertemuan Ke 5 (Lima)

Kelompok Ke: .....

Nama Anggota:

1. .....
2. .....
3. .....
4. .....
5. .....

1. Nilai dari $\lim_{x\to\infty} \frac{3x+1}{2x}$ adalah ...

$$\lim_{x\to\infty} \frac{3x+1}{2x} = \lim_{x\to\infty} \frac{3x+1}{2x} \cdot \frac{\frac{1}{\quad}}{\frac{1}{\quad}}$$

$$= \lim_{x\to\infty} \frac{\frac{3x}{\quad} + \frac{1}{\quad}}{\frac{2x}{\quad}}$$

$$= \lim_{x\to\infty} \frac{\quad + \frac{1}{\quad}}{\quad}$$

$$= \frac{\quad + \quad}{\quad}$$

$$\lim_{x\to\infty} \frac{3x+1}{2x} = \underline{\qquad}$$

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2. Nilai dari $\frac{3x-2}{5x^2-2x+1}$ adalah ...

$$\lim_{x\to\infty}\frac{3x-2}{5x^2-2x+1} = \lim_{x\to\infty}\frac{3x-2}{5x^2-2x+1}\cdot\frac{\frac{1}{\ }}{\frac{1}{\ }}$$

$$= \lim_{x\to\infty}\frac{\frac{3x}{\ }-\frac{2}{\ }}{\frac{5x^2}{\ }-\frac{2x}{\ }+\frac{1}{\ }}$$

$$= \lim_{x\to\infty}\frac{\frac{\ }{\ }-\frac{2}{\ }}{-\frac{\ }{\ }+\frac{\ }{\ }}$$

$$= \frac{-}{-\quad+}$$

$$=$$

3. Nilai dari $\lim_{x\to\infty}\frac{2x^2+x-3}{3x+1}$ adalah ...

$$\lim_{x\to\infty}\frac{2x^2+x-3}{3x+1} = \lim_{x\to\infty}\frac{2x^2+x-3}{3x+1}\cdot\frac{\frac{1}{\ }}{\frac{1}{\ }}$$

$$= \lim_{x\to\infty}\frac{\frac{2x^2}{\ }+\frac{x}{\ }-\frac{3}{\ }}{\frac{3x}{\ }+\frac{1}{\ }}$$

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$$= \lim_{x \to \infty} \frac{+\frac{\quad}{\quad} - \frac{3}{\quad}}{\frac{\quad}{\quad} + \frac{1}{\quad}}$$

$$= \frac{+ \qquad -}{+}$$

$$\lim_{x \to \infty} \frac{2x^2 + x - 3}{3x + 1} = \frac{\quad}{\quad} =$$

SELESAI

LIVEWORKSHEETS