EVALUASI PEMBELAJARAN
PENYELESAIAN LIMIT DENGAN KALI SEKAWAN

Nama	:
Kelas	:

Selesaikan Soal Berikut dengan Mengisikan Bagian yang Kosong!

1. $\lim\limits_{x\to 4} \frac{x-4}{x-\sqrt{6x-8}} = \cdots$

$= \lim\limits_{x\to 4} \frac{x-4}{x-\sqrt{6x-8}} \times \frac{\square\ \square\sqrt{\square}}{\square\ \square\sqrt{\square}}$

$= \lim\limits_{x\to 4} \frac{(x-4)(\square\ \square\sqrt{\square})}{\square\ \square\ \square}$

$= \lim\limits_{x\to 4} \frac{(x-4)(\square\ \square\sqrt{\square})}{x^2-6x+8}$

$= \lim\limits_{x\to 4} \frac{(x-4)(\square\ \square\sqrt{\square})}{(\square)(\square)}$

$= \lim\limits_{x\to 4} \frac{(x+\sqrt{6x-8})}{(\square)}$

$= \frac{(\square)+\sqrt{6(\square)-8}}{(\square)-2} = \frac{\square+\sqrt{\square}}{2} = \frac{\square+\square}{2} = \frac{\square}{2} = \square$

2. $\lim\limits_{x\to 3} \frac{\sqrt{2x+1}-\sqrt{x+4}}{x-3} = \cdots$

$= \lim\limits_{x\to 3} \frac{\sqrt{2x+1}-\sqrt{x+4}}{x-3} \times \frac{\sqrt{\square}\ \square\ \sqrt{\square}}{\sqrt{\square}\ \square\ \sqrt{\square}}$

$= \lim\limits_{x\to 3} \frac{(\square)-(\square)}{(x-3)(\sqrt{\square}\ \square\ \sqrt{\square})}$

$= \lim\limits_{x\to 3} \frac{\square}{(x-3)(\sqrt{\square}\ \square\ \sqrt{\square})}$

$= \lim\limits_{x\to 3} \frac{1}{\sqrt{2x+1}+\sqrt{x+4}}$

$= \frac{1}{\sqrt{2(\square)+1}+\sqrt{(\square)+4}} = \frac{1}{\sqrt{\square}+\sqrt{\square}} = \frac{1}{\square\sqrt{\square}}$

LIVEWORKSHEETS