

Thursday, 2 February, 2006

A student turned in this solution to a problem. There are lots of missing symbols and no justifications. Fill in all the missing symbols and justifications. What was the original problem?

$$\begin{aligned} & \frac{2x^2 + 3x - 2}{x + 2} \\ & \frac{(2x - 1)(x + 2)}{(x + 2)} \\ & (2x - 1) \\ & 2(-2) - 2 \\ & -6 \end{aligned}$$

Another student turned in this solution to a problem. This time, there are too many symbols! (And no justifications) Rewrite the solution. What was the original problem?

$$f(x) = x^2 + 7x - 1 = \lim_{x \rightarrow -1} = x^2 + 7x - 1 = \lim_{x \rightarrow -1} = (-1)^2 + 7(-1) - 1 = 1 - 7 - 1 = -7$$