

Name: _____

Evaluate $\lim_{x \rightarrow -3} \frac{4x+12}{x^2+5x+6}$

$$= \lim_{x \rightarrow -3} \frac{4(x+3)}{(x+2)(x+3)}$$

$$= \lim_{x \rightarrow -3} \frac{4}{x+2}$$

$$= \frac{4}{-1}$$

$$= -4$$