

* simplify
factor first

$$\frac{2x^2 + x}{3x^2 + 2x} = \frac{\cancel{x}(2x+1)}{\cancel{x}(3x+2)}$$

$$= \boxed{\frac{2x+1}{3x+2}}$$

simplify
 $(x+4)$
4

is 4 a factor of
the numerator?

is 4 a factor of $x+4$? No

$$\boxed{\frac{x+4}{4}}$$

cannot be simplified further