multiplication and division are opposites

$2 \times 4 = 8$

$4 \times 2 = 8$

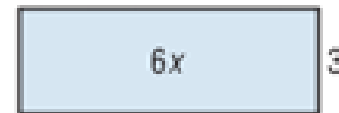$8 \div 4 = 2$

$8 \div 2 = 4$

|

Length x width = area

width x length = area

Area $\div$ length = width

6x   3

length?

$6x \div 3 = 2x$

$$6x \div 3 = 2x$$

Just divide the numbers, keep the x

MULTIPLE TERMS

everything on top needs divided by whats on bottom
do it one term at a time

$$\frac{4x^2 - 8x}{2} = \frac{4x^2}{2} - \frac{8x}{2}$$

$$= 2x^2 - 4x$$

Determine each quotient.

a) $\dfrac{4s^2 - 8}{4}$

$$\dfrac{4s^2}{4} - \dfrac{8}{4}$$

$$\boxed{s^2 - 2}$$

b) $\dfrac{-3m^2 + 15mn - 21n^2}{-3}$

$$\dfrac{-3m^2}{-3} + \dfrac{15mn}{-3} - \dfrac{21n^2}{-3}$$

$$\boxed{m^2 - 5mn + 7n^2}$$

PRACTICE Pg 246 #8, 16, 20, 23,