



$$4 \times 5 =$$

$$(4)(5)=$$

Why didn't I use this example??

$$(4)(m) = \coprod_{M}$$

$$6(z) = \sqrt{2}$$

$$(-2) (-r) = 7$$

$$4(-3v) = -12\sqrt{}$$

#1)
$$4(6w)$$

(Monomial) (Monomial)

#2) $4(6w-11)$

(Monomial) (binomial)

 $24w-44$

#3) $4(6w^2-7p+11)$

(Monomial) (+rinomial)

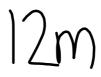
 $24w^2-28p+444$



$$\frac{30}{3}$$
 =

hings you already know!! Things you need to know:)

$$60z \div 15 =$$



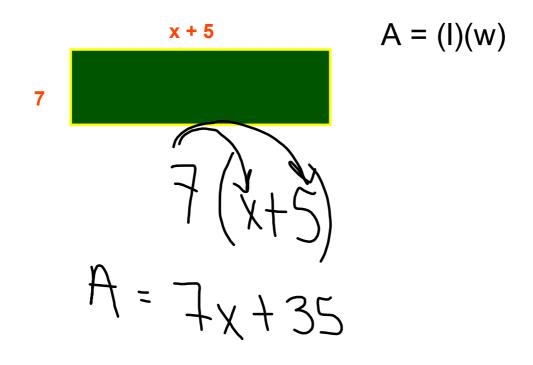


$$= \frac{100r^2 + 50m}{5}$$
 Now Divide each term
$$\frac{20r^2 + 10m}{5}$$

$$(100r^2 + 50m - 65z) \div (-5)$$

-5, -5 -5
-20r 10m + 132

A = length x widthA = (l)(w) Write the multiplication statement for the <u>area</u> of each rectangle.



Class/ Homework

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#1
#2
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#3 #4(a,c)

#6

#9 b,d, g(just simplify)

#10 bd (no tiles)

#11

#12a



6 (2x - 18 + 2z) -	Try these:	$(30m - 15a + 9t - 54h) \div (-3)$ + 18h
-4(6z - 9) -24/3 + 35	(11g² - 8y + 10)(5) 55y2~y0y 450	(49t² - 7) ÷ (7)

SOME REVIEW

Laws of Exponents

Remember... $b^x \rightarrow$ "b raised to the power of x" where, b – base

x – exponent

#1. PRODUCT - when multiplying...

"if the base is the same, then <u>ADD</u> the exponents."

$$b^m \times b^n = b^{m+n}$$

example:

2 × 2 = [

 $(\chi^{3})(\chi^{3}) = \sqrt{0}$

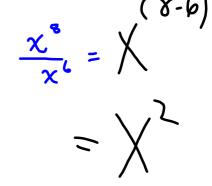
#2. QUOTIENT - when dividing...

"if the base is the same, then <u>SUBTRACT</u> the exponents."

$$\frac{b^m}{b^n} = b^{m-n}$$

example:

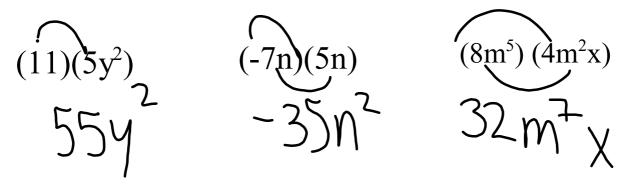
 $\frac{\partial}{\partial x} = \int_{0}^{2\pi} (4\pi A)$

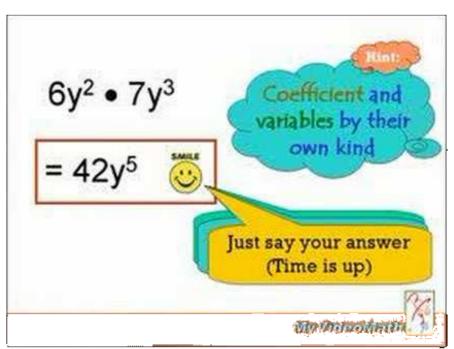




Multiply coefficients with coefficients and variables with variables

Follow exponent laws for variable with the same base







75y + 30 xy

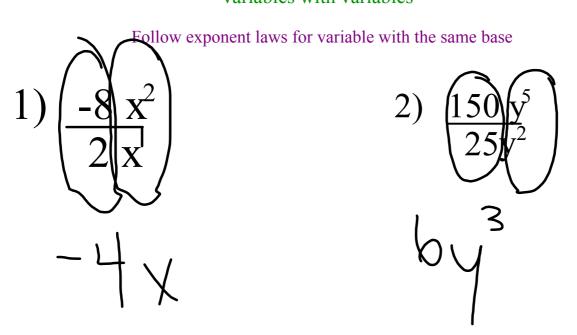
Each term inside the bracket must be multiplied by the monomial outside the brackets.

Still coefficients with coefficients and variables with variables.



Note:

Divide coefficients with coefficients and variables with variables



Dividing a Binomial by a Monomial

$$\frac{24p^2 - 14p}{2p}$$
 $\frac{24p^2 - 14p}{2p}$
 $\frac{24p^2 - 14p}{2p}$

Each term on the numerator must be divided by the monomial on the denominator.

Recall: coefficients with coefficients and variables with variables.

You Try!

1)
$$\frac{72x - 48x^2}{12x}$$

