



Warm Up

Grade 9



Determine the product or the quotient.

a) $(7r)(11)$
 $77r$

b) $(6m^2 + 2m - 5)(-7)$
 $-42m^3 - 14m + 35$

c) $\frac{(-81td - 72t + 90r)}{-9}$

$9td + 8t - 10r$

Homework Questions??

Pg 234

8bdfg

12

17

$$\begin{aligned} & (b^2 + 4b) \square (-3b^2 + 7b) \\ & (b^2 + 4b) + (+3b^2 - 7b) \\ & \underbrace{b^2 + 4b} + \underbrace{+3b^2 - 7b} \\ & \quad \uparrow \quad \quad \quad \uparrow \\ & b^2 + 3b^2 + 4b - 7b \\ & 4b^2 - 3b \end{aligned}$$

Pg 246

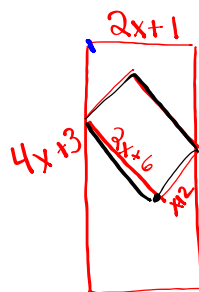
11acf

13ace

12.

$$\begin{aligned}
 & (2y^2 - 3y + 5) - (y^2 + 5y - 2) \\
 &= 2y^2 - 3y + 5 - y^2 - 5y + 2 \\
 &= 2y^2 - y^2 - 3y - 5y + 5 + 2 \\
 &= y^2 - 2y + 3
 \end{aligned}$$

17.



$$\begin{aligned}
 P_{\text{big}} &= (2x+1) + (4x+3) + (2x+1) \\
 &\quad + (4x+3) \\
 &= 2x+1 + 4x+3 + 2x+1 + 4x+3 \\
 &= 12x+8 \\
 P_{\text{small}} &= (x+2) + (2x+6) + (x+2) + (2x+6) \\
 &= x+2 + 2x+6 + x+2 + 2x+6 \\
 &= 6x+16
 \end{aligned}$$

$$= 6x+16$$

Difference of the 2 perimeters

$$\begin{aligned}
 & P_{\text{big}} - P_{\text{small}} \\
 & (12x+8) - (6x+16) \\
 & (12x+8) + (-6x-16)
 \end{aligned}$$

$$12x+8 - 6x - 16$$

$$12x - 6x + 8 - 16$$

$$\boxed{6x-8}$$

246
11ac f

$$a) 7(3s+1)$$

$21s+7$

$$c) 2(-3p^2-2p+1)$$

$-6p^2-4p+2$

$$f) (x^2+x)(-5)$$

$-5x^2-5x$

13ace

$$a) \frac{12p-18}{6}$$

$2p-3$

$$c) \frac{5h^2-20h}{5}$$

h^2-4h

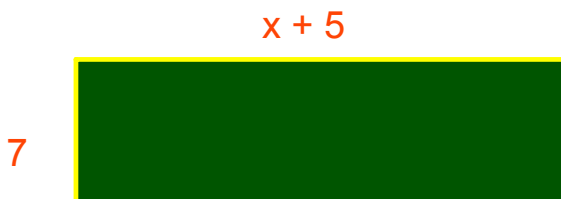
$$e) \frac{-8a^2+4a-12}{4}$$

$-2a^2+a-3$

A = length x width

A = (l)(w)

Write the multiplication statement for the area of each rectangle.



$$A = (l)(w)$$

$$= (x+5)(7)$$

$$= 7x+35$$



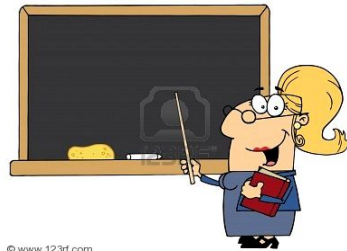
Check your homework
from the back of the textbook

Topic: Section 5.5_Multiplying & Division Of Polynomials

Homework: Page 246-247

Questions: 9, ~~11acf, 13ace~~, 15acf, 16adg, 18 ,22bcd, 23a,b

Are there any questions that you
would like me to complete on the
board?



© www.123rf.com