

$$1. \quad 3(2x+1) - (3x+2) + 4(2x-1)$$

$$2. \quad -(5x-1) + (3x-2) - 3(2x+8)$$

$$3. \quad 4(5x)(3y)$$

$$4. \quad 3(2x-3) - (4x-1) + 3(-2x)$$

$$1. \quad 3(2x+1) - 1(3x+2) + 4(2x-1)$$

$$\boxed{6x} + \underline{\underline{3}} \quad \boxed{-3x} - \underline{\underline{2}} \quad \boxed{+8x} - \underline{\underline{4}}$$

$$= 11x - 3$$

$$2. \quad -1(5x-1) + 1(3x-2) - 3(2x+8)$$

$$\boxed{-5x} + \underline{\underline{1}} \quad \boxed{+3x} - \underline{\underline{2}} \quad \boxed{-6x} - \underline{\underline{24}}$$

$$= -8x - 25$$

$$\begin{aligned} 3. \quad & \underline{4(5x)}(3y) \\ & 20x(3y) \\ & = 60xy \end{aligned}$$

$$4. \quad 3(2x-3) - 1(4x-1) + 3(-2x)$$

$$\begin{array}{|c|} \hline \cancel{6x} - 9 \\ \hline \end{array} \quad \begin{array}{|c|} \hline -4x + 1 \\ \hline \end{array} \quad \begin{array}{|c|} \hline \cancel{-6x} \\ \hline \end{array}$$

$$= -4x - 8$$

Things you already know!!

$$30 \div 3 = 10$$

$$\frac{30}{3} = 10$$

Things you need to know :)

$$60z \div 15 = 4z$$

$$\frac{48m}{4} = 12m$$

$$\frac{100r^2}{5}$$

$$= 20r^2$$

$$\frac{200xy}{20}$$

$$= 10xy$$

mini Ultimate!

$$\frac{100r^2}{5} + \frac{50m}{5}$$

$$= 20r^2 + 10m$$



$$\frac{100r^2 + 50m}{5}$$

*Hint!*  
(Words)

*Hint!*

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

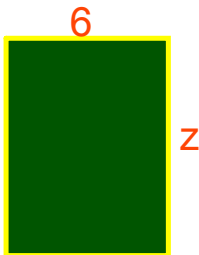
$$\frac{100r^2}{-5} + \frac{50m}{-5} - \frac{65z}{-5}$$

$$-20r^2 - 10m + 13z$$

A = length x width

A = (l)(w)

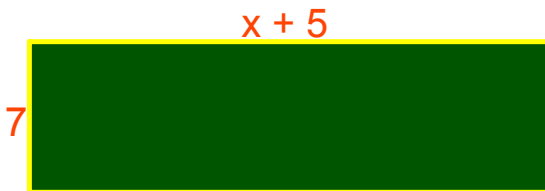
Write the multiplication statement for the area of each rectangle.



A = (l)(w)

$$A = 6(z)$$

$$A = 6z$$



A = (l)(w)

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

$$A = 7x + 35$$

$$3(2x - 6y + 2z)$$

Try these:

$$\frac{36p + 45q - 81}{9}$$

$$(30m - 15a + 9t - 54h) \div (-3)$$

$$-4(6z - 9)$$

$$(11y^2 - 8y + 10)(5)$$

$$(49t^2 - 7) \div (7)$$

$$3(2x - 6y + 2z)$$

$$= 6x - 18y + 6z$$

$$-4(6z - 9)$$

$$= -24z + 36$$

Try these:

$$\frac{36p + 45q - 81}{9}$$

$$= \frac{36p}{9} + \frac{45q}{9} - \frac{81}{9}$$

$$= 4p + 5q - 9$$

$$(11y^2 - 8y + 10)(5)$$

$$= 5(11y^2 - 8y + 10)$$

$$= 55y^2 - 40y + 50$$

$$(30m - 15a + 9t - 54h) \div (-3)$$

$$= \frac{30m}{-3} - \frac{15a}{-3} + \frac{9t}{-3} - \frac{54h}{-3}$$

$$= -10m + 5a - 3t + 18h$$

$$(49t^2 - 7) \div (7)$$

$$= \frac{49t^2}{7} - \frac{7}{7}$$

$$= 7t^2 - 1$$

Pg. 246 - 247

#7, 14, 16, 17