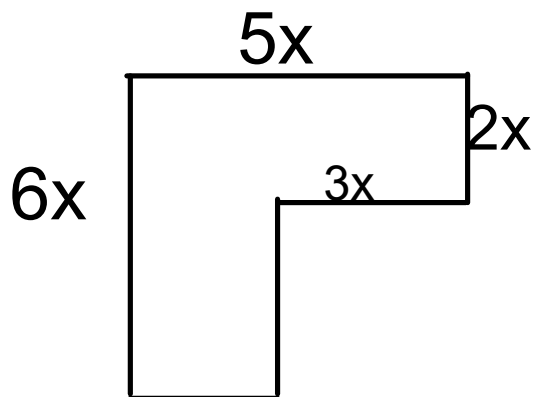




Warm Up



- a) Given the following shape determine the **area** and **perimeter** .



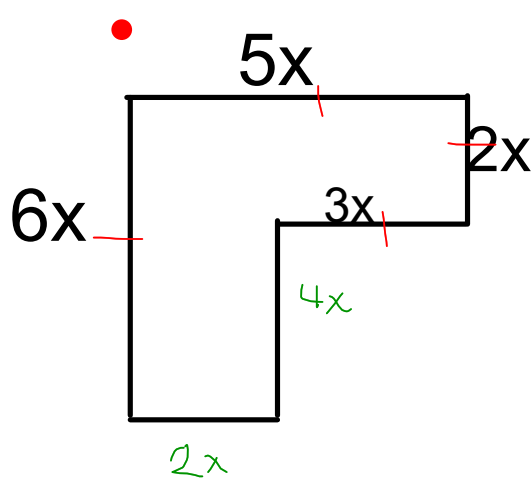
- b) Determine the area and perimeter of the shape when $x = 3$. (Show your work)



Warm Up



a) Given the following shape determine the area and perimeter.



$$P = 5x + 2x + 3x + 6x + 2x + 4x$$

$$P = 22x$$

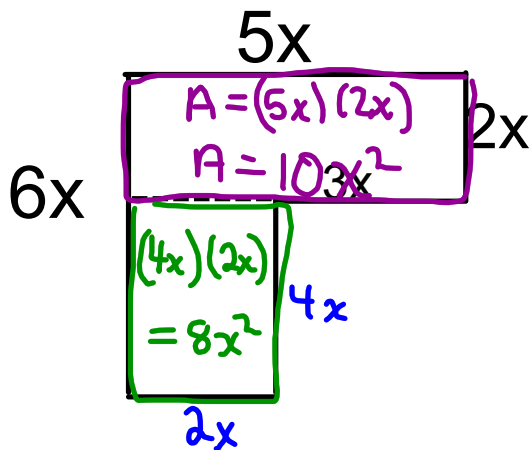
$$P = 22(3)$$

$$P = 66$$

b) Determine the area and perimeter of the shape when $x = 3$. (Show your work)



Warm Up



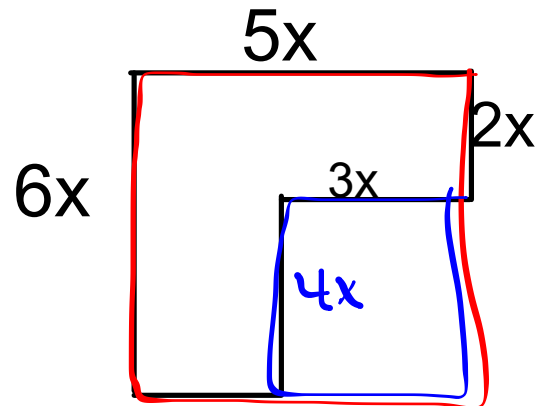
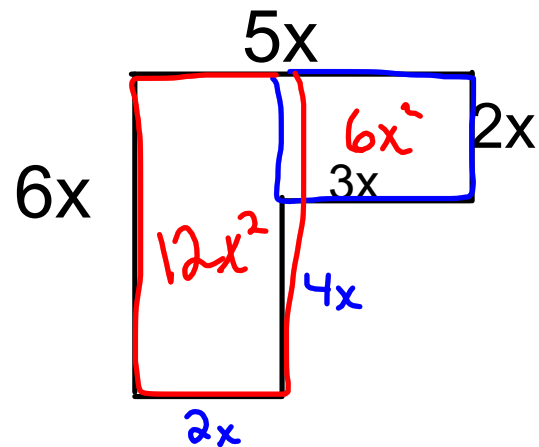
$$A = 10x^2 + 8x^2$$

$$A = 18x^2$$

$$A = 18(3)^2$$

$$A = 18(9)$$

$$A = 162$$



$$(5x)(6x) - (4x)(3x)$$

$$30x^2 - 12x^2$$

$$18x^2$$

Add the following

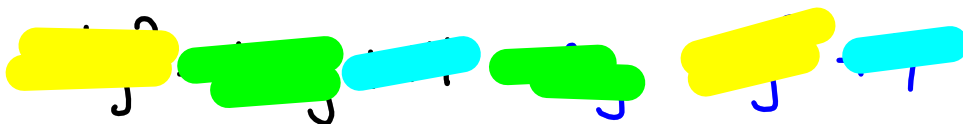
$$(5x^2 + 12x - 10) + (-7x^2 - 15x + 19)$$

$$\begin{array}{r} \underbrace{5x^2 - 7x^2} \quad \underbrace{+ 12x - 15x} \quad \underbrace{- 10 + 19} \end{array}$$

$$-2x^2 - 3x + 9$$

Subtract the following:

$$(21y^2 - 10y + 14) - (2y + y^2 - 4)$$



$$21y^2 - 1y^2 \quad -10y - 2y \quad +14 + 4$$

$$20y^2 - 12y + 18$$

$$(3x^2y) (-12x)$$

$$= -36x^3y$$

$$(2xy) \quad (3x^3y - 4x^2y^2)$$

$$6x^4y^2 - 8x^3y^3$$

$$10 \div 2 = 5$$

a) $(45x^5 - 72x) \div 9x$

$$\frac{45x^5}{9x} - \frac{72x}{9x}$$

$$5x^4 - 8$$

$$(2x^3 + 4x) \div 4x^2$$

$$\frac{2x^3}{4x^2} + \frac{4x^1}{4x^2}$$

$$0.5x + 1x^{-1}$$

$$0.5x + \frac{1}{x^1}$$

$$14x^3y^6 \div 2x^2y^6$$
$$2x$$

Class/Homework

Pg 259 - 261

#2

#6

#9

#10

#11

#12 a, d

#15 a, e, g, h

#16

#19 b

#22 a, c, h, k, l

#24 a

#26 a, c, e, g

#28 b, d, f

#29 a, b

Check Answers in
back of textbook

Pg 262

Questions 1 to 8