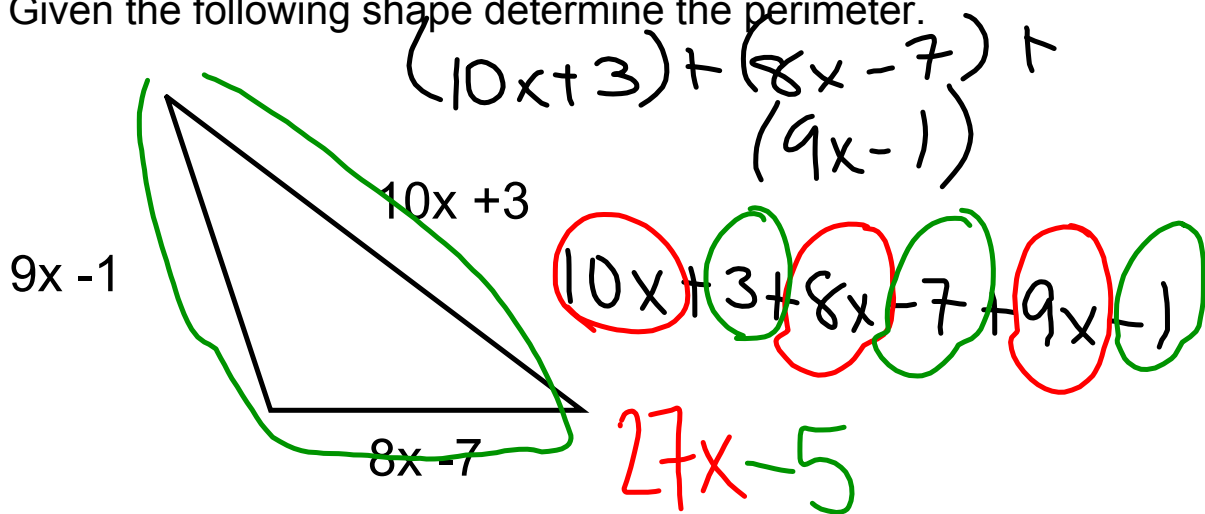




## Warm Up



- a) Given the following shape determine the perimeter.



- b) Determine the perimeter of the triangle when  $x = 2$ . (Show your work)

$$27(2) - 5$$

$$54 - 5 = 49$$



Warm Up



a) Given the following shape determine the area.

$A = l \times w$   
 $(5x)(2x) = 10x^2$   
 $(4x)(2x) = 8x^2$   
 $10x^2 + 8x^2 = 18x^2$

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

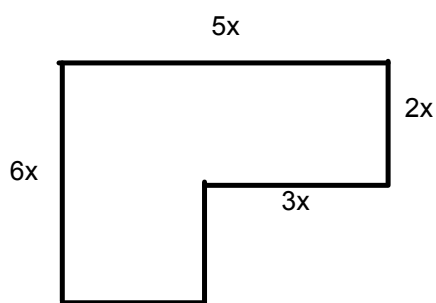
$$\begin{aligned}
 &18x^2 \\
 &18(3)^2 \\
 &18(9) \\
 &162
 \end{aligned}$$



## Warm Up



a) Given the following shape determine the area.



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

Write a polynomial that matched the description:

variable": y, ✓  
Degree: 8 ✓  
Trinomial ✓  
Constant: +4 ✓

$$2y^8 + 5y^5 + 4$$

What do I add to  $16x^2 + 2x - 1$  to get  $18x^2 - 5x + 7$  as the result?

Add the following

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

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

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

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

Subtract the following:

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

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

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



Divide or Multiply

$$\begin{aligned} \text{a) } & \frac{(45x^5 - 72x) \div 9x}{9x^4 \quad 9x} \\ & 5x^4 - 8 \end{aligned}$$

$$\begin{aligned} \text{b) } & 3x (-7x + 4) \\ & -21x^2 + 12x \end{aligned}$$

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

## **Class/Homework**

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#2

#6

#9

#11

#12 a, d

#15 a, e, g, h

#16

#19 b

#22 a, c, h, k, l

#26 a, c, e, g

#28 b, d, f

#29 a, b

**Check Answers in  
back of textbook**