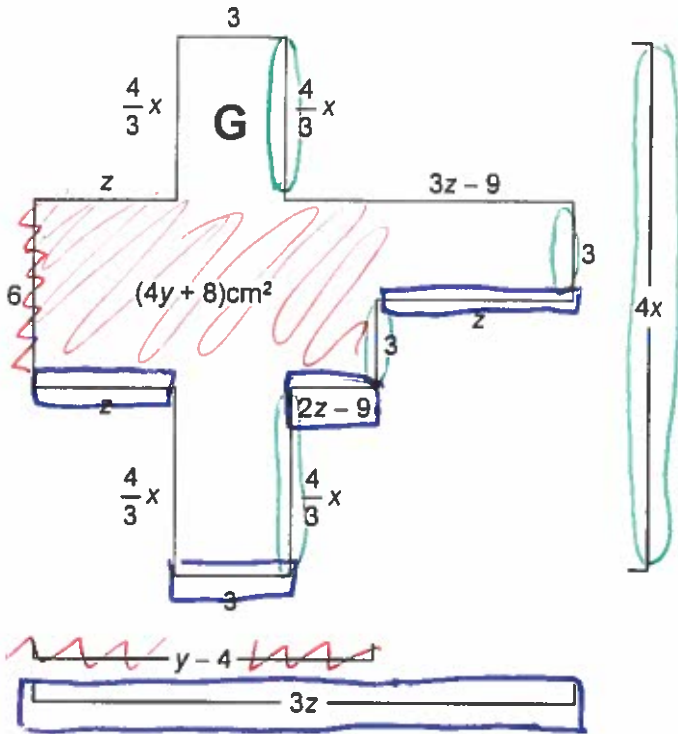


NAF 1 (G)



Equation for Net G:

- x) \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_
- y) \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_
- z) \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_

All measurements are in centimeters (cm).  
 Assume that all lines are straight and that all corners are 90 degrees.  
 Not drawn to scale.

Expression for Perimeter:  $3 + \frac{4}{3}x + 3z - 9 + 3 + 2 + 3 + 2z - 9 + \frac{4}{3}x + 3 + \frac{4}{3}x + 2 + 6 + 2 + \frac{4}{3}x$

Simplified Expression for Perimeter:  $0 + \frac{16}{3}x + 8z$

Perimeter:  $\frac{16}{3}(\frac{9}{2}) + 8(6)$

$\frac{144}{6} + 48$   
 $24 + 48 = 72 \text{ cm}$

Use this space as scratch paper to solve equations and find the lengths of each edge.

WRITE YOUR FINAL ANSWERS ON THE NAF WORKSHEET SO MS. DRAPER CAN CHECK BEFORE YOU START CUTTING THE GRAPH PAPER.

see green

x.

$$\left(\frac{4x}{3}\right) + 3 + 3 + \left(\frac{4x}{3}\right) = 4x$$

$$3\left(\frac{8}{3}x + 6\right) = (4x)3$$

$$3 \cdot \frac{8}{3}x + 3 \cdot 6 = 12x$$

$$\begin{array}{r} 8x + 18 = 12x \\ -8x \quad -8x \\ \hline \end{array}$$

$$\begin{array}{r} 2 = \frac{18}{4} = \frac{4x}{4} \\ 2 = 4 \quad 4 \end{array}$$

$$\boxed{\frac{9}{2} = x}$$

see purple

z.

$$\boxed{z} + \boxed{2z} - 9 + \boxed{z} + \boxed{3} = \boxed{3z}$$

$$\begin{array}{r} 4z - 6 = 3z \\ -4z \quad -4z \\ \hline \end{array}$$

$$\begin{array}{r} -6 = -1z \\ -1 \quad -1 \\ \hline \end{array}$$

$$\boxed{6 = z}$$

see red



$$A = LW$$

$$A = 4y + 8$$

$$L = 6$$

$$W = y - 4$$

$$4y + 8 = (6)(y - 4)$$

$$\begin{array}{r} 4y + 8 = 6y - 24 \\ -4y \quad -4y \\ \hline \end{array}$$

$$\begin{array}{r} 8 = 2y - 24 \\ +24 \quad +24 \\ \hline \end{array}$$

$$\begin{array}{r} 32 = 2y \\ \hline 2 \quad 2 \\ \hline \end{array}$$

$$\boxed{16 = y}$$