

1 Find the total surface area of a cube which has a side of 5 inches

Picture

Find the volume of the same cube (L x W x H)

$$\text{Volume} = l \cdot w \cdot h$$

(in cubic units)

2 Find the total surface area of a can which has a diameter of 8 inches and is 10' high.

Picture:

Find the volume of the same can (area of the top x height)

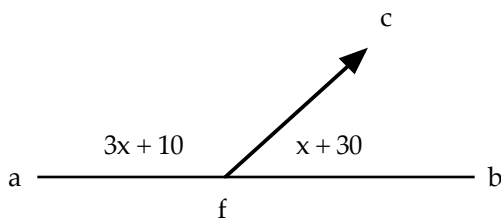
$$\text{Volume} = \pi r^2 h$$

(in cubic units)

3 Find the equation of the line with a slope of 4 going through point (-2, 3)

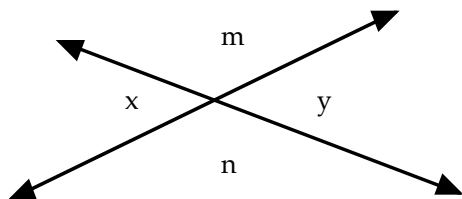
4 Find the equation of the line going through point (-2, 3) and (0, 0)

5



Find $m\angle afc$ and $m\angle cfb$

6



$\angle x$ and $\angle y$ &
 $\angle m$ and $\angle n$ are called

_____ angles

If the measure of $\angle m = 135^\circ$

find the measure of all other angles.