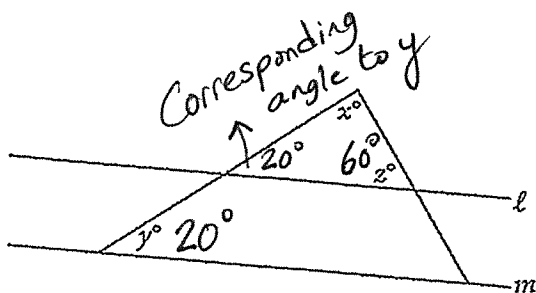


SAT Practice



Note: Figure not drawn to scale.

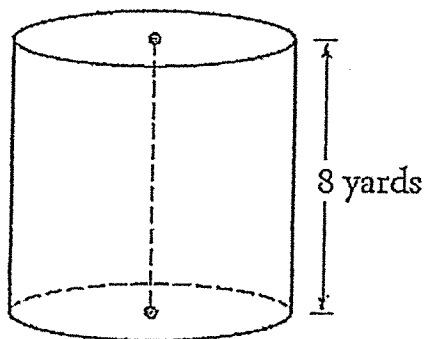
In the figure above, lines l and m are parallel. $y = 20$, and $z = 60$. What is the value of x ?

- A) 120
- B) 100
- C) 90
- D) 80

$$20 + 60 + x = 180$$

$$x = 100$$

2.



$$V = \pi r^2 h$$

$$\frac{72\pi}{8\pi} = \frac{\pi r^2 8}{8\pi}$$

$$r^2 = 9 ; r = 3$$

A dairy farmer uses a storage silo that is in the shape of the right circular cylinder above. If the volume of the silo is 72π cubic yards, what is the diameter of the base of the cylinder, in yards?

$$d = 2 \cdot r$$

$$d = 2 \cdot 3 = 6$$

3.

R

Last week Raul worked 11 more hours than Angelica. If they worked a combined total of 59 hours, how many hours did Angelica work last week?

A) 24

B) 35

C) 40

D) 48

$$R = 11 + A$$

$$R + A = 59$$

Substitution

$$11 + A + A = 59$$

$$2A = 48$$

$$A = 24$$