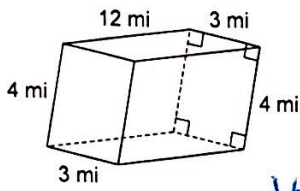


Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

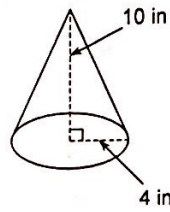
1)



$$V = 12(3)(4)$$

$$144 \text{ mi}^3$$

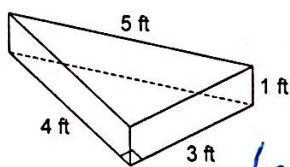
2)



$$V = \frac{\pi(4)^2(10)}{3}$$

$$\frac{160\pi}{3} \approx 167.55 \text{ in}^3$$

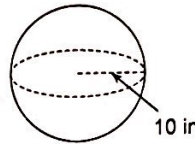
3)



$$V = Bh = 6(1)$$

$$6 \text{ ft}^3$$

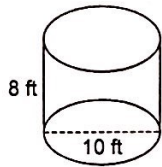
4)



$$V = \frac{4\pi(10)^3}{3}$$

$$\approx 4188.79 \text{ in}^3$$

5)

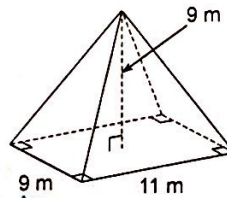


$$r = 5$$

$$V = 5^2 \pi (8)$$

$$200\pi \approx 628.32 \text{ ft}^3$$

6)

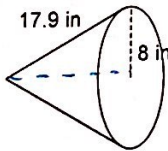


$$V = \frac{9(11)(9)}{3}$$

$$297 \text{ m}^3$$

Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

7)



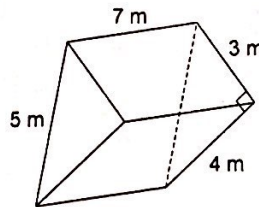
$$S = \pi r^2 + \pi r l$$

$$64\pi + 143.2\pi$$

$$207.2\pi \approx$$

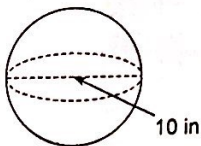
$$650.9 \text{ in}^2$$

8)



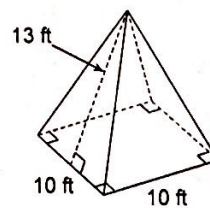
$$96 \text{ m}^2$$

9)



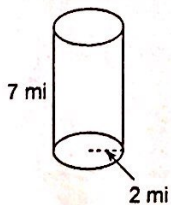
$$314.16 \text{ in}^2$$

10)



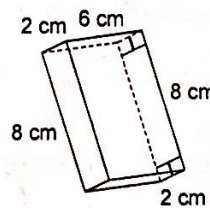
$$360 \text{ ft}^2$$

11)



$$113.1 \text{ mi}^2$$

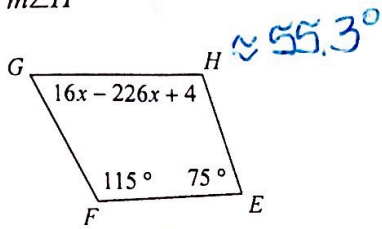
12)



$$152 \text{ cm}^2$$

Find the measure of each angle indicated.

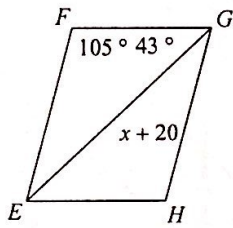
13) $m\angle H$



Handwritten: $16x - 226x + 4 + 22x + 75 + 115 = 360$
 $22x = 188$
 $x \approx 8.55$

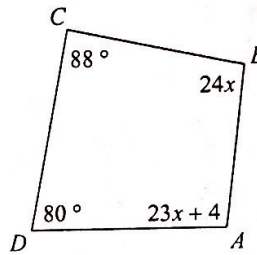
Solve for x . Each figure is a parallelogram.

15)



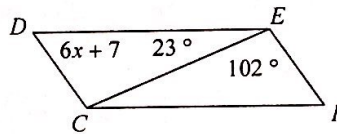
Handwritten: $x = 12$

14) $m\angle A$



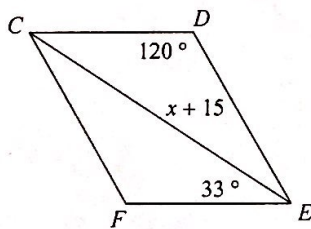
Handwritten: $\angle A = 96$

16)



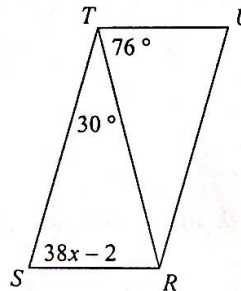
Handwritten: $x = 8$

17)



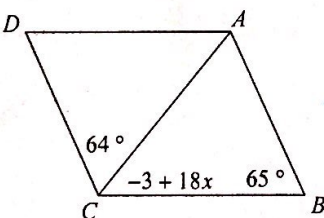
Handwritten: $x = 12$

18)



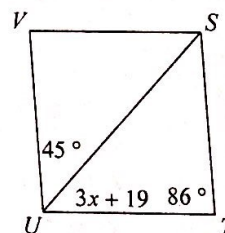
Handwritten: $x = 2$

19)



Handwritten: $x = 3$

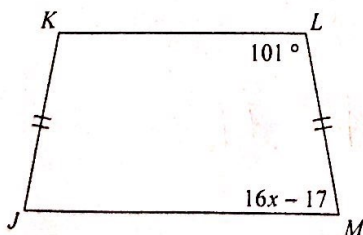
20)



Handwritten: $x = 10$

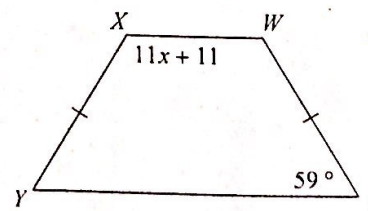
Solve for x . Each figure is a trapezoid.

21)



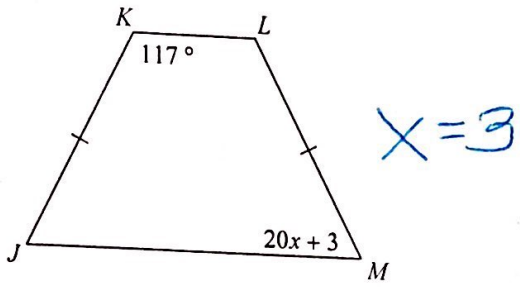
Handwritten: $x = 6$

22)

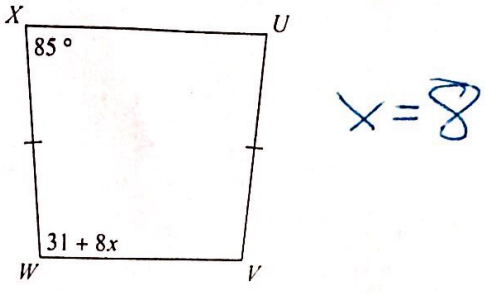


Handwritten: $x = 10$

23)

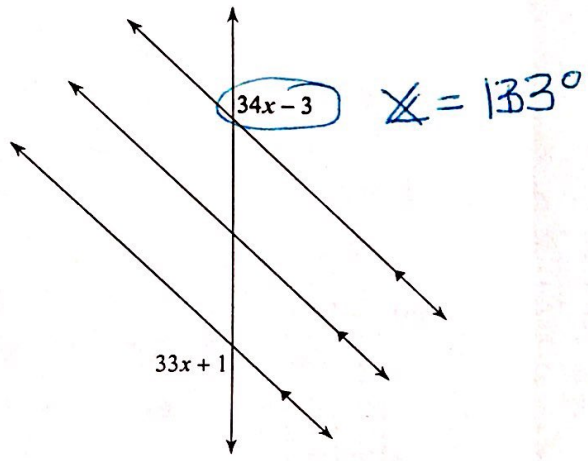


24)

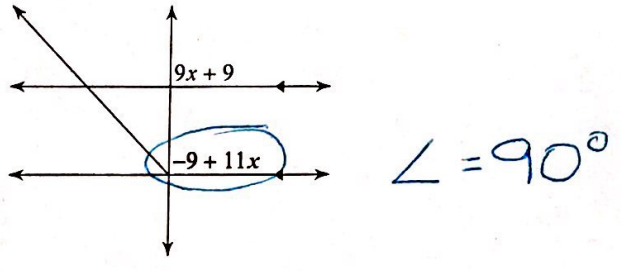


Find the measure of the angle indicated in bold.

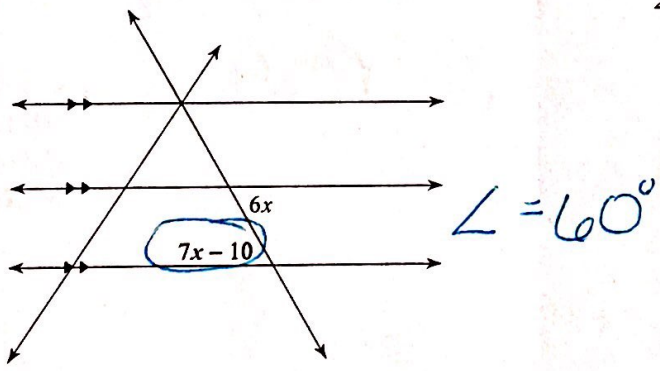
25)



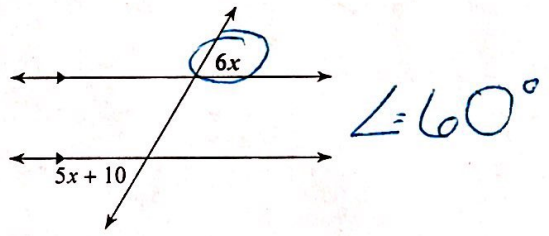
26)



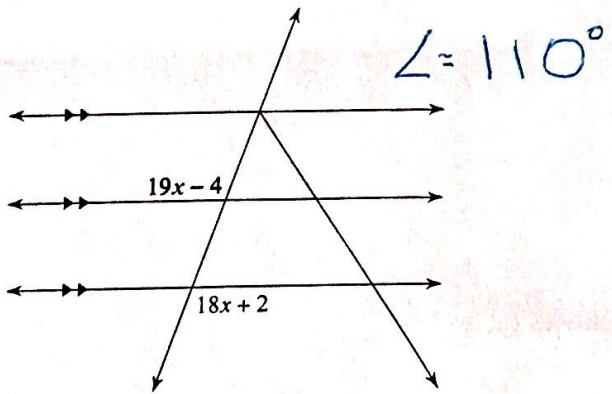
27)



28)



29)



30)

