

HW #11-4

Ch 11 Joke #18

★ Neg ans OK

"Why were the screams coming from the kitchen?"

Make the conversion from degrees to radians and from radians to degrees. To figure out the joke, place the letter of each problem above the answer on the line(s) below.

Convert #1-6 from degrees to radians. exact answers

E. 20°

A. 120°

K. -145°

H. 320°

G. -245°

B. 630°

Convert #7-13 from radians to degrees.

N. $\frac{\pi}{4}$

W. $\frac{2\pi}{5}$

T. $\frac{-5\pi}{60}$

S. $\frac{7\pi}{6}$

C. $\frac{13\pi}{3}$

I. $\frac{-5\pi}{4}$

O. $\frac{11\pi}{3}$

-15° $\frac{16\pi}{9}$ $\frac{\pi}{9}$ 780° 660° 660° $\frac{-29\pi}{36}$ 72° $\frac{2\pi}{3}$ 210°

$\frac{7\pi}{2}$ $\frac{\pi}{9}$ $\frac{2\pi}{3}$ -15° -225° 45° $\frac{-49\pi}{36}$

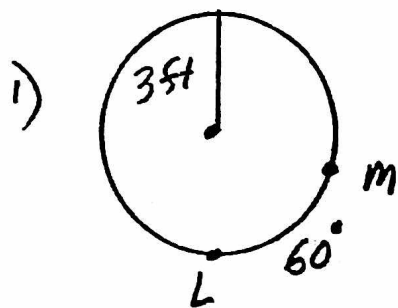
-15° $\frac{16\pi}{9}$ $\frac{\pi}{9}$ $\frac{\pi}{9}$ $\frac{-49\pi}{36}$ $\frac{-49\pi}{36}$ 210°

Converting to and from radians to degrees

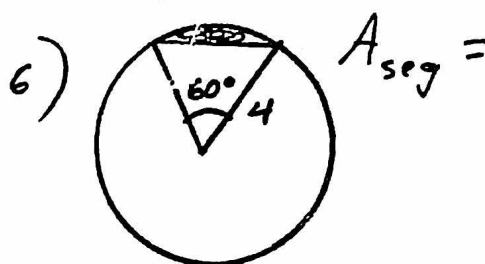
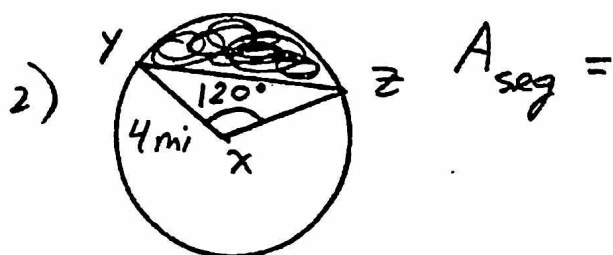
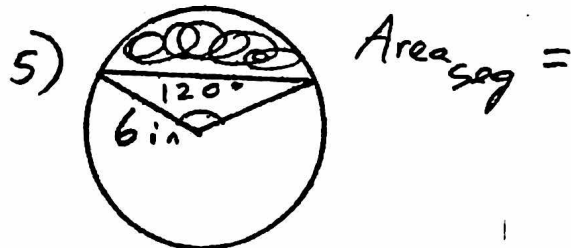
Joke #38

Geo Hon Ch 11

exact and approx. answers



$$A_{\widehat{LM}} =$$



3) A circle with a radius of 20 cm has a sector that has an arc measure of 105° . What is the area of the sector?

