[change each degree measure to radian measure in terms of pi]

(9.)   360   here is the problem

=   0, 2pi

(10.)   270   here is the problem

=   3pi/2

(11.) 90   here is the problem

=   pi/2

(12.)   330   here is the problem

=   11pi/6

(13.)   -225   here is the problem

=   -5pi/4

(14.) -30   here is the problem

= -pi/6

(15.) -45   here is the problem

= -pi/4

(16.) -180   here is the problem

    -pi

(17.)   135   here is the problem

=   3pi/4

(18.) -210   here is the problem

=   -7pi/6

(19.) -195   here is the problem

= (-195/1)(pi/180)   multiply by pi/180

= -195pi/180   multiply

=   -39pi/36   reduce

= -13pi/12   reduce

(20.) 105   here is the problem

=   (105/1)(pi/180)   multiply by pi/180

=   105pi/180   multiply

=   21pi/36   reduce

=   7pi/12   reduce

(21.) 420   here is the problem

= (420/1)(pi/180)   multiply by pi/180

= 420pi/180   multiply

=   140pi/36   reduce

=   70pi/18   reduce

= 35pi/9   reduce

(22.) -390   here is the problem

=   -30   add 360

= -pi/6   use the unit circle

(23.) 600   here is the problem

=   240   subtract 360

=   4pi/3   use the unit circle

(24.) -630   here is the problem

=   -630 + 360   add 360

=   -270   add

=   -pi/2   use the unit circle

(25.)   -13   here is the problem

=   (-13/1)(pi/180   multiply by pi/180

= -13pi/180   multiply

(26.)   41   here is the problem

= (41pi/180)   multiply by pi/180

change each radian measure to degree measure

(27.) pi/3   here is the problem

 =   60°   use the unit circle

(28.) pi   here is the problem

=   180°   use the unit circle

(29.) 5pi/6   here is the problem

=   150°   use the unit circle

(30.) 2pi/3   here is the problem

=   120°   use the unit circle

(31.) -pi/12   here is the problem

=   -15°   use the unit circle

(32.) -pi/4   here is the problem

=   -45°   use the unit circle

(33.) 5pi/3   here is the problem

=   300°   use the unit circle

(34.) 3pi   here is the problem

= 180°   use the unit circle

(35.) -7pi/4   here is the problem

=   -330°   use the unit circle

(36.) -4pi   here is the problem

=   -720°   use the unit circle

(37.) -11pi/15   here is the problem

=   (-11pi/15)(180/pi)   multiply by 180/pi

=   (-11/1)(12/1)   cancel

=   -132°   multiply

(38.) 7pi/6   here is the problem

=   210°   use the unit circle

(39.) pi/10   here is the problem

=   (pi/10)(180/pi)   multiply by 180/pi

=   18°   cancel and multiply

(40.) -pi/15   here is the problem

=   (-pi/15)(180/pi)   here is the problem

=   -12°   cancel and multiply

(41.) 7pi   here is the problem

=   180°   use the unit circle

(42.) 9pi/2   here is the problem

=   90°   use the unit circle

(43.)   5pi/2   here is the problem

=   90°   use the unit circle

(44.) -11pi   here is the problem

=   -180°   use the unit circle