

Name: _____ Hour: _____ Date: _____

Trig Test Review Guide – DO ALL WORK ON SEPARATE PAPER

Write each measure in radians. Express your answer in terms of π .

1. 78°

2. 55°

do all

Write each measure in degrees.

3. $\frac{14\pi}{23}$

4. $\frac{6\pi}{47}$

do all

(a) Calculate a coterminal angle satisfying $0^\circ \leq \theta \leq 360^\circ$.

(b) Sketch the coterminal angle in *standard position*.

(c) Calculate the reference angle of the coterminal angle.

5) 780°

6) -675°

7) $\frac{8\pi}{3}$

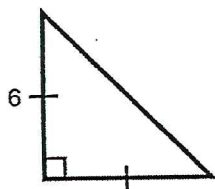
8) $-\frac{17\pi}{6}$

pick 2

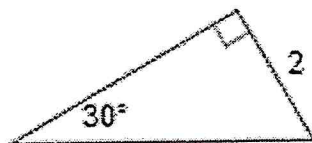
(a) List all of the sides of each triangle. Label them on your paper as "long leg", "short leg", "hypotenuse" or "legs".

(b) Use your answers to find the sine, cosine and tangent of angle A and angle B.

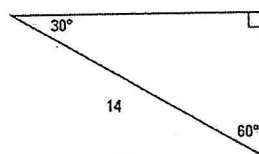
9)



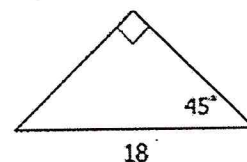
10)



11)



12)



pick 2

(a) Sketch each angle in standard position.

(b) Determine the reference angle.

(c) Sketch the reference triangle and correctly label each side.

(d) Find the *exact* value for the sine, cosine, and tangent of the original angle.

pick 2

13) 210°

14) 135°

15) -60°

16) $\frac{5\pi}{4}$

17) $\frac{5\pi}{3}$

18) $-\frac{7\pi}{6}$

Solve for all possible of θ , where $0^\circ \leq \theta \leq 360^\circ$.

pick 2

25) $\sin \theta = \frac{1}{\sqrt{2}}$

26) $\cos \theta = \frac{\sqrt{3}}{2}$

27) $\tan \theta = \frac{1}{\sqrt{3}}$

28) $\sin \theta = \frac{-1}{2}$

29) $\tan \theta = -\sqrt{3}$

30) $4\cos \theta = 2$

31) $2\cos \theta + 3 = 2$

32) $-3\tan \theta = 3$

33) $4\sin \theta - 2\sqrt{3} = 0$