1) Find the exact measure of each of the following angles in radians

b) 225°

c) 150°

e) 330°

f) 315°

2) Convert each of the following angles to radians, finding a decimal approximation to the nearest hundredth for each angle. Note that these angles represent the borders between the quadrants.

90°

b) 180°

O

270°

3) Find the exact value of each of the following.

d) 360°.

c) $\tan \frac{\pi}{6}$

ভ

9

e) cos ωlä

f) tan 4|3

F)

 $\cos \frac{2\pi}{3}$

Find the exact value of each of the following

37

b) $\cos \frac{5\pi}{6}$

c) $\tan \frac{4\pi}{3}$

C SOO 6|7 #|0

f) $\tan \frac{\pi}{4}$

9 $\frac{\sin \frac{5\pi}{6}}{\sin \frac{\pi}{6}}$

h) cos

8) Find the exact value of each of the following. Leave answers in simplest radical form

 $\sin \frac{3\pi}{4}$ Ħ

f) $\cos \frac{7\pi}{4}$

П

sin

<u>4</u>|ω

h) tan

, <u>21</u>

П

i) cos

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11

j

b) $\cos \frac{7\pi}{6}$

d) $\tan \frac{11\pi}{6}$ Н

9) Find the exact value of each of the following. Leave answers in simplest radical form.

Ш

b) $\cos \frac{11\pi}{6}$ II

c) 0

d) $\tan \frac{7\pi}{3}$ 11

e) sin $\frac{5\pi}{3}$

f) cos 3₁7 н

sin OI H n

h) tan

6|3

П

i) $\cos \frac{7\pi}{6}$

II

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should be expressed as exactly in terms of π . 10) Solve each of the following equations for all values of θ such that $0 \le \theta < 2\pi$. Each answer

a) $\sin \theta =$

c) $\tan \theta = -1$

d) $\sin \theta = -$

e) $\cos \theta =$ 2/3

should be expressed as exactly in terms of π . 11) Solve each of the following equations for all values of θ such that $0 \le \theta < 2\pi$. Each answer

a) $\sin \theta =$

d) $\cos \theta = -$

e) $\cos \theta = -\frac{\sqrt{2}}{2}$

c) $\tan \theta = 1$