

Do from your text: 1.4 # 1-33 odds

Which quadrant do each of the following angles lie?

- 1) -400°
- 2) 200°
- 3) -800°
- 4) 3209°

Find the reference angle for each angle.

- 5) -55°
- 6) -166°
- 7) 307°
- 8) 2455°

9) If $\sin \phi = \frac{2}{3}$ and ϕ is in the first quadrant, find $\cot \phi$

10) If $\tan \phi = \frac{5}{2}$ and ϕ is in the 3d quadrant, find $\sec \phi$

11) If $\csc \phi = \frac{-7}{3}$ and ϕ is in the 4th quadrant, find $\cos \phi$

12) If $\cos \phi = .1435$ and ϕ is in the 4th quadrant, find $\tan \phi$