Adv Alg

Name_____
Date _____Pd_____

SOLVING TRIG EQUATIONS

1. If $\cos(\theta) = -\frac{1}{4}$, find $\sin(\theta)$ for θ in qdrnt III.

2. If $\sin(\theta) = -\frac{1}{3}$, find $\cos(\theta)$ for θ in qdrnt IV.

3. If $\cos(\theta) = -\frac{4}{5}$, find $\sin(\theta)$, for θ in qdrnt II.

4. If $\sin(\theta) = -\frac{3}{4}$, find $\cos(\theta)$, for θ in qdrnt III.

5. If $\cos(\theta) = .58$, find $\sin(\theta)$, for θ in qdrnt I.

6. If $\sin(\theta) = .9$, find $\cos(\theta)$, for θ in qdrnt II.

7. If $\cos(\theta) = -.313$, find $\sin(\theta)$, for θ in quadrant III. Then find $\tan(\theta)$.

8. If $\cos(\theta) = -.2$, find $\sin(\theta)$, for θ in quadrant III. Then find $\tan(\theta)$.

9. Find $\tan(\theta)$ when $\sin(\theta) = -.65$, for θ in quadrant III.

10. Find $\tan(\theta)$ when $\cos(\theta) = -.15$, for θ in quadrant II.