

## AdvAlg2, Homework due Friday, 5/12

Find the measure of the angle  $\theta$  in degrees, to the nearest  $\frac{1^\circ}{100}$ , and in radians, to the nearest  $\frac{1^R}{1000}$ ; such that the terminal side of  $\theta$  in standard position passes through the given point and such that  $0^\circ \leq \theta \leq 360^\circ$  and  $0^R \leq \theta \leq 2\pi^R$ .

1.  $-3, -4$
2.  $(12, -5)$
3.  $(-8, 15)$
4.  $(24, -7)$
5.  $(-2, \sqrt{5})$
6.  $(-5, 2\sqrt{6})$

For one of the above, find two additional angles, both greater than  $360^\circ$  or  $2\pi^R$  that have the same tangent, such that the two angles are *not* in the same quadrant.