CC Algebra 2H **NO CALCULATORS!** Problem Set 10-4 and review

Draw triangles and find all possible values, in radians.

1. $\sin^{-1}\left(\frac{-\sqrt{3}}{2}\right)$ 2. $\tan^{-1}\frac{\sqrt{3}}{3}$ 3. $\cos^{-1}\left(\frac{-\sqrt{2}}{2}\right)$

Draw triangles and evaluate each inverse trigonometric function. Give angles in both degrees and radians.

4. $\text{Sin}^{-1}\frac{\sqrt{2}}{2}$ 5. $\text{Cos}^{-1}\left(\frac{-1}{2}\right)$ 6. $\text{Tan}^{-1}(-1)$ 7. $\text{Sin}^{-1}(\cos 150°)$

Draw triangles and evaluate. Give answers in simplest form.

8. tan (-210)° 9. $\sin\frac{5\pi}{4}$ 10. sec 690° 11. $\csc\left(\frac{-4\pi}{3}\right)$ 12. $\cot\left(\text{Cos}^{-1}\left(\frac{\sqrt{3}}{2}\right)\right)$

13. $\cos\left(\text{Sin}^{-1}\left(\frac{-\sqrt{2}}{2}\right)\right)$

14. The terminal side of angle θ passes through the point (-8, -15). Draw a figure and evaluate the six trigonometric functions of θ.