

Agenda/Objectives/Notes PAPP Test Review 4.1 – 4.3

Starter Problem

Graph $y = \frac{1}{2} \csc 2x - 3$

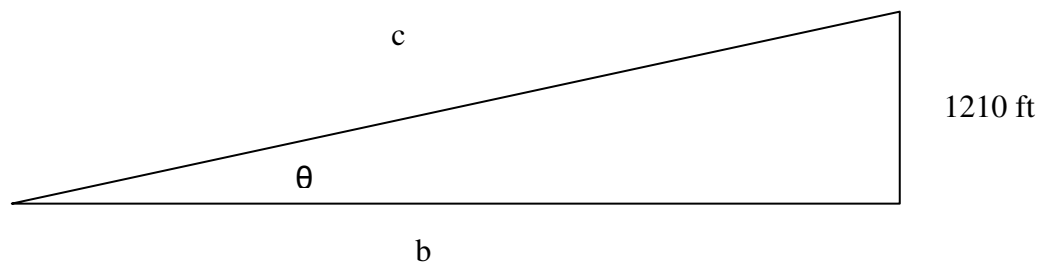
Today's Agenda

1. Starter problem
2. Review assignment due
3. Test review

Test Review

1. In which quadrant is θ if $\theta = -225^\circ$.
2. Express $-\frac{2\pi}{3}$ in degree measure.
3. Convert $2\frac{3}{4}$ revolutions counter clock wise from the x -axis to radian measure.
4. Evaluate: $\sec\left(-\frac{5\pi}{6}\right)$.
5. Evaluate all six trigonometric functions of the real number $t = \frac{4\pi}{3}$.
6. Given a circle with diameter 8, identify the point on the circle for the central angle of $\frac{2\pi}{3}$.
7. Find a positive and negative coterminal angle for $\frac{15\pi}{7}$.
8. Evaluate $\csc 125^\circ 47'$.
9. Simplify $\frac{\csc^2 \alpha - 1}{\cot^2 \alpha}$.

10. A cable car rises 4 feet for each 10 feet of horizontal length. The top of the cable is fastened 1210 feet above the cables lowest point. Find the lengths b , c , and the angle θ for the given triangle.



11. Given $\cot \theta = \frac{3}{8}$ and $\cos \theta > 0$, find $\sin \theta$.