Alg 2 Sem 2 Final Review 2015 Chapter 13

1. A sound wave has a period of 0.02 seconds and an amplitude of 3 units. Sketch a graph of the sine function.

Sketch the angle in standard position.

2. $55°$

3. $-150°$

4. Find the measure of an angle between $0°$ and $360°$ coterminal with an angle of $-110°$ in standard position.

5. In which quadrant does the terminal side of a $118°$ angle lie?

6. Find the cosine and sine of $330°$. tangent, too

Write the measure in radians. Express the answer in terms of π.

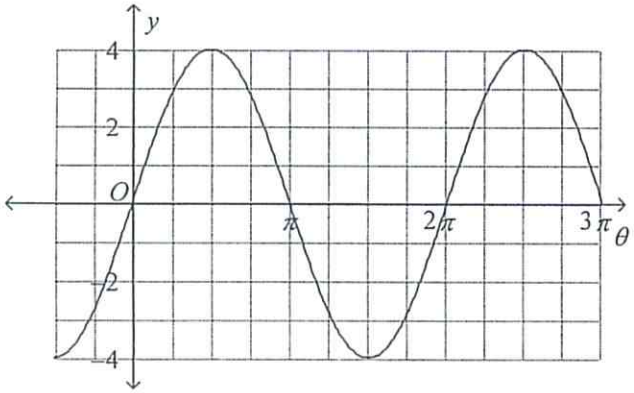
7. $320°$

Write the measure in degrees.

8. $\frac{3\pi}{5}$ radians

9. Find the exact values of $\cos\left(\frac{3\pi}{4} \text{ radians}\right)$ and $\sin\left(\frac{3\pi}{4} \text{ radians}\right)$. tan $(\frac{3\pi}{4}$ radians)

10. Find the amplitude of the sine curve shown below.



11. A particular sound wave can be graphed using the function $y = -3 \sin x$. Find the amplitude and period of the function.

12. Sketch one cycle of $y = 4 \sin 2\theta$.