

A. 
$$\frac{-\sqrt{8}}{2}$$

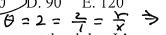
B. 
$$\frac{3}{1}$$

C. 
$$\frac{1}{\sqrt{8}}$$
 D.  $\frac{\sqrt{8}}{3}$ 

E. 
$$\frac{-3\sqrt{8}}{8}$$

A. 
$$\frac{-\sqrt{8}}{3}$$
 B.  $\frac{3}{1}$  C.  $\frac{1}{\sqrt{8}}$  D.  $\frac{\sqrt{8}}{3}$  E.  $\frac{-3\sqrt{8}}{8}$  Sind =  $\frac{y}{h} = \frac{\sqrt{8}}{3} = \frac{2\sqrt{2}}{3}$ 

10. Suppose  $\theta$  is a positive angle, and suppose it is the smallest possible positive angle which can be such that  $\sec(\theta)=2$  What is the measure of  $(\theta)$ ?



A. 30 B. 45 C. 60 D. 90 E. 120  $se (\theta = 2 = \frac{7}{7} = \frac{1}{8})$  The consider the angle shown at the right. It's measure in

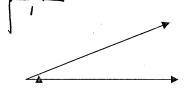
A. 
$$\frac{2\pi}{3}$$

B. 
$$\frac{\pi}{2}$$

C. 
$$\frac{\pi}{3}$$

A. 
$$\frac{2\pi}{3}$$
 B.  $\frac{\pi}{2}$  C.  $\frac{\pi}{3}$  D.  $\frac{\pi}{4}$  E.  $\frac{\pi}{6}$ 

E. 
$$\frac{\pi}{6}$$



- 12. Consider the formula  $y = A \sin B(x + C) + D$  Each of the letters A, B, C, and D affect one aspect of the resulting graph. Which of the following best describes B:
  - A. B states the amplitude.
  - B. |B| determines the amplitude.
  - C. |B| states the period of the graph.
  - D. B determines the horizontal shift of the graph.
  - E. |B| affects period but doesn't directly state what the period is.