1) What is the period of the function $y = \cot\theta$.

A. 360° **C.** 180°

B. 270° **D.** 120°

2) What is the range of the function $y = \sin\theta$.

A. $\{y \setminus -1 < y < 1\}$ **C.** $\{y \setminus 0 \leq y \leq 1\}$

B. $\{y \setminus -1 \leq y \leq 1\}$ **D.** $\mathbb{R}$

3) If $\cos\theta = 0.423$**, find** θ **to the nearest degree.**

A. 48° **C.** 65°

B. 42° **D.** 25°

4) **Find** $\sec\theta$ **if** $\sin\theta = -\frac{2}{7}$ **and** $180^\circ < \theta < 270^\circ$.

A. $\frac{3\sqrt{5}}{2}$

B. $-\frac{7}{2}$

C. $-\frac{3\sqrt{5}}{2}$

D. $-\frac{7}{3\sqrt{5}}$

5) **What is the period of the function** $y = \frac{1}{2}\sin\theta$.

A. 270°

B. 180°

C. 360°

D. 90°

6) **What is the range of the function** $y = \sin\theta$.

A. $\{x \setminus -1 \leq x \leq 1\}$

B. $\{y \setminus -1 \leq y \leq 1\}$

C. $\{y \setminus 0 \leq y \leq 1\}$

D. $\mathbb{R}$

7) **If** $\sin\theta = 0.743$**, find** θ **to the nearest degree.**

A. 48°

C. 65°

B. 42°

D. 25°

8) **Find** $\csc\theta$ **if** $\sin\theta = -\frac{2}{7}$ **and** $180^\circ < \theta < 270^\circ$**.**

A. $\frac{3\sqrt{5}}{2}$

C. $-\frac{3\sqrt{5}}{2}$

B. $-\frac{7}{2}$

D. $-\frac{7}{3\sqrt{5}}$