

NAME: _____

1. 010320b, P.I. A2.A.58

If $\sin 6A = \cos 9A$, then $m\angle A$ is equal to

[A] $1\frac{1}{2}$ [B] 36 [C] 6 [D] 54

3. 080703b, P.I. A2.A.58

If $\csc \theta = -2$, what is the value of $\sin \theta$?

[A] 2 [B] -2 [C] $\frac{1}{2}$ [D] $-\frac{1}{2}$

2. 080817b, P.I. A2.A.58

What is the value of $\csc(\text{Arc sin } \frac{3}{4})$?

[A] $\frac{3}{4}$ [B] $\frac{4}{\sqrt{7}}$ [C] $\frac{\sqrt{7}}{4}$ [D] $\frac{4}{3}$

4. 060904b, P.I. A2.A.58

If $\sin x = \frac{1}{a}$, $a \neq 0$, which statement must be true?

[A] $\sec x = a$ [B] $\csc x = a$
[C] $\sec x = -\frac{1}{a}$ [D] $\csc x = -\frac{1}{a}$

[1] C _____

[2] D _____

[3] D _____

[4] B _____