| Math Club Name:   |
|---|
| 1 How would you calculate the angle using arc notation?   |
| $\begin{array}{c c} \alpha \text{ has a sin of 0.391} \\ \hline a & \alpha = \frac{1}{\sin^{-1}(0.391)} & b & \alpha = a \sin(0.391) \\ \hline c & \alpha = \frac{1}{a \sin(0.391)} & d & \alpha = \sin(0.391) - 1 \\ \hline \end{array}$   |
| 3 How would you calculate the angle using arc notation?   |
| $\begin{array}{c c} \alpha \text{ has a cos of 0.602} \\ \hline \mathbf{a} & \alpha = \operatorname{acos}(0.602) & \mathbf{b} & \alpha = \frac{1}{\operatorname{acos}(0.602)} \\ \hline \mathbf{c} & \alpha = \frac{1}{\cos^{-1}(0.602)} & \mathbf{d} & \alpha = \cos(0.602) - 1 \end{array}$ |
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| 5 How would you calculate the angle using arc notation?   |
| lpha has a sin of 0.848   |
| <b>a</b> $\alpha = \frac{1}{a\sin(0.848)}$ <b>b</b> $\alpha = \sin(0.848) - 1$  |
| <b>C</b> $\alpha = \frac{1}{\sin^{-1}(0.848)}$ <b>d</b> $\alpha = asin(0.848)$  |
| 7 How would you calculate the angle using arc notation?   |
| lpha has a cos of 0.225   |
| <b>a</b> $\alpha = \cos(0.225) - 1$<br><b>b</b> $\alpha = \frac{1}{a\cos(0.225)}$<br><b>c</b> $\alpha = \frac{1}{\cos^{-1}(0.225)}$<br><b>d</b> $\alpha = a\cos(0.225)$   |
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