

# PRECALCULUS QUIZ # 7

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NO BOOKS, NOTES OR CALCULATORS

USE A PINK PAPER. TEST FORM A

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I) FIND THE DOMAINS OF THE FOLLOWING FUNCTIONS:

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#1) B  $\sin(x)$  #2) B  $\cos(x)$  #3) C  $\arcsin(x)$

#4) C  $\arccos(x)$  #5) E  $\tan(x)$   $\mathbb{R} \setminus \{\frac{\pi}{2} + n\pi, n \in \mathbb{Z}\}$

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A)  $(-1, 1)$  B)  $\mathbb{R}$  C)  $[-1, 1]$  D)  $(-\frac{\pi}{2}, \frac{\pi}{2})$

E) NONE OF THE ABOVE

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II) FIND THE RANGES OF THE FOLLOWING FUNCTIONS:

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#6) D  $\sin^{-1}(x)$  #7) E  $\cos^{-1}(x)$  #8) E  $\arctan(x)$

#9) C  $\cos(x)$  #10) B  $\cot(x)$   $[0, \pi]$   $(-\frac{\pi}{2}, \frac{\pi}{2})$

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A)  $(0, \pi)$  B)  $\mathbb{R}$  C)  $[-1, 1]$  D)  $(-\frac{\pi}{2}, \frac{\pi}{2})$

E) NONE OF THE ABOVE

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