

# 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)  $\sin(x)$  #2)  $\cos(x)$  #3)  $\arcsin(x)$

#4)  $\arccos(x)$  #5)  $\tan(x)$

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

#9)  $\cos(x)$  #10)  $\cot(x)$

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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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