Му	signature o	on this as	sessment	confirms	: I have	used no	o outside	resources	and adhe	red to
all	assessment	protocols	s assigned	to this	part of	the dai	ly grade/	quiz/test/	exam.	

Accel Precalc

Daily Grade #25

Unit #6: Graphs and Inverses of Trig Functions [60 total pts]

Part I: GRAPHING OR SCIENTIFIC CALCULATOR ALLOWED. NO UNIT CIRCLE

- ❖ For angle answers, respond in degrees or decimal radians, both rounded to nearest hundredth. MUST include unit with angle answer. For ratio answers, round to nearest hundredth.
- > Evaluate each expression. [5 pts each]
- 1.
- $\sin^{-1}(-0.58)$ 2. $\sec^{-1}(-1.58)$

3. $\cot^{-1}(3.2)$

4.

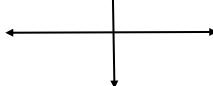
 $\cos^{-1}(1.32)$ 5. $\tan^{-1}(-2.56)$

 \div Find the sinusoidal equation in the form $y = A\sin[B(x - C)] + D$ for the given expression. You must show correct work to support all values to receive credit for answer. [10 pts]

Place your calculator in Radian mode. Set your Window: X values $[-2\pi, 2\pi]_{\pi}$ Y values $[-8, 8]_1$

To check answer, set your window: X values $[-\pi,\pi]_{\pi}$ Y values $[-8,8]_1$





 $max = ___ min = ___ zero_1 = ___ zero_2 = __$



$$\mathcal{C}$$

My signature on this assessment confirms I have used no outside resources and adhered to all assessment protocols assigned to this part of the daily grade/quiz/test/exam.

Accel Precalc

Daily Grade #25

Name _____

Unit #6: Graphs and Inverses of Trig Functions

Part II: 4-Function Calculator Only. Unit Circle Allowed.

- > For angle answers, respond in degrees or π radians. Be sure to include unit with angle <u>answer</u>. For ratio answers, give <u>exact values</u>.
- > Evaluate each expression. [5 pts each]

7.
$$\sin^{-1}(-1)$$

8.
$$\cot^{-1}\left(\frac{-\sqrt{3}}{3}\right)$$

9.
$$\sec^{-1}(2)$$

10.
$$\cos^{-1} \left[\sin \left(\frac{-\pi}{4} \right) \right]$$

11.
$$\sin\left[\cos^{-1}\left(\frac{5}{13}\right)\right]$$

