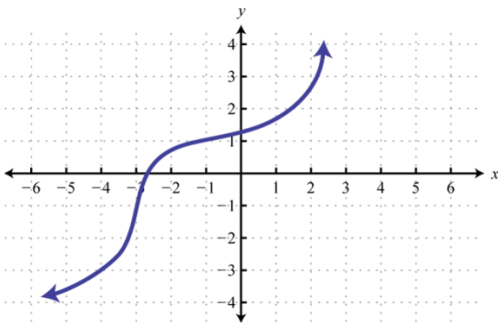


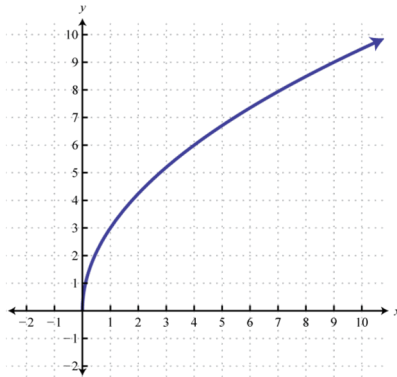
Video Quiz 7 (100 pts.)

Name: _____

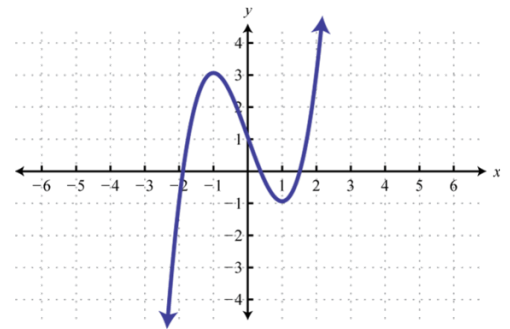
1. (1 pt.) Which of the following functions is NOT one-to-one?



Function A



Function B



Function C

2. (1 pt.) Find the exact value of $\sin(\sin^{-1}(3.1415))$.

3. (1 pt.) True or False: $y = \sin x$ is one-to-one in the interval $\left[-\frac{\pi}{2}, \frac{\pi}{2}\right]$.

4. (1 pt.) True or False: $y = \sin^{-1} x$ is equivalent to $y = \frac{1}{\sin x}$

5. (1 pt.) Evaluate $\sin^{-1}(-0.0289)$ to four decimal places using a calculator.

6. (1 pt.) Find $\arcsin(0)$.

7. (1 pt.) Find $\arcsin\left(\frac{\sqrt{2}}{2}\right)$.

8. (1 pt.) Find $\sin^{-1}\left(\frac{1}{2}\right)$.

9. (2 pts.) Find θ if $\theta = \arcsin\left(\tan\left(\frac{\pi}{3}\right)\right)$.