

Pre-Calc AB Worksheet #46 : Answers

1a. $\theta = \arcsin \frac{5}{s}$

1b. 0.13, 0.25

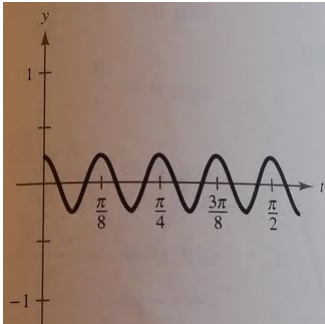
2a. $\theta \approx 26.0^\circ$

2b. 24.4 feet

3. 18.61 feet

4. 1933.3 feet

5. $M(t) = 1.75 \cos\left(\frac{\pi}{5}t\right)$



6a.

6b. $\frac{\pi}{8}$

6c. $\frac{\pi}{32}$