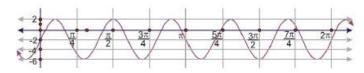
Unit 2 Review Answers

 $\frac{\left(\frac{\pi}{4}, \frac{\sqrt{2}}{2}\right)}{0.5}$ $\frac{\pi}{4}$ $\frac{3\pi}{2}$ $\frac{3\pi}{4}$ $\frac{5\pi}{4}$ $\frac{3\pi}{2}$ $\frac{7\pi}{4}$ 2π $q(x) = \cos(x)$ $\left(\frac{5\pi}{4}, \frac{\sqrt{2}}{2}\right)$ 8.

The intersections are $\left(\frac{\pi}{4},\frac{\sqrt{2}}{2}\right)$ and $\left(\frac{5\pi}{4},-\frac{\sqrt{2}}{2}\right)$.

9.
$$y = -2 + 4\sin 5x$$
, $A = 4$, $B = 5$, $p = \frac{2\pi}{5}$, $C = 0$, $D = -2$



10.
$$f(x) = \frac{1}{4}\cos\left(\frac{1}{2}(x - \frac{\pi}{3})\right), A = \frac{1}{4}, B = \frac{1}{2}, p = 4\pi, C = \frac{\pi}{3}, D = 0$$

