1. (2pt) Each of the three plots below shows the graph of a function. Circle any that are periodic (possibly more than one).

2. (1pt) Suppose that \( f \) is a periodic function whose period is 12. Suppose, also, that \( f(-1) = 5 \). Find any other output of \( f \).
   That is, pick some other value of \( x \) (as long as it is not \(-1\)) and find \( f(x) \). To answer this question, all you need to do is fill in the blanks below. This question has many answers; you only need to find one.

\[ f(\underline{\hspace{1cm}}) = \underline{\hspace{1cm}} \]

3. Consider the triangle below.

   \[ \begin{array}{c}
   \ell \\
   \theta \\
   \end{array} \]
   \[ \begin{array}{c}
   12 \\
   5 \\
   \end{array} \]

   (a) (3pt) Find \( \ell \). Leave your answer in exact form.

   (b) (2pt) Find \( \cos(\theta) \). Leave your answer in exact form.

   (c) (2pt) Find \( \sin(\theta) \). Leave your answer in exact form.
4. (2pt) Find the degree measure of $\phi$ and $\alpha$ below.

\[
\begin{aligned}
\phi \quad \alpha \\
45^\circ \\
310^\circ
\end{aligned}
\]

5. Consider the triangle below.

\[
\begin{aligned}
\ell \\
\phi \\
9 \\
34^\circ
\end{aligned}
\]

(a) (2pt) Find the degree measure of $\phi$.

(b) (3pt) Find $\ell$. Round to two decimal places.

6. (3pt) Suppose $\theta$ is an angle such that $\sin(\theta) = 0.38$ and $\cos(\theta) < 0$. Find $\cos(\theta)$ and round to two decimal places.