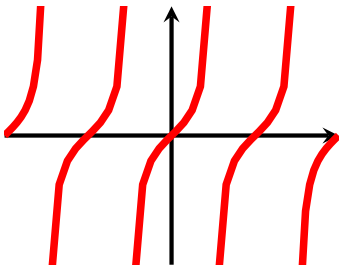
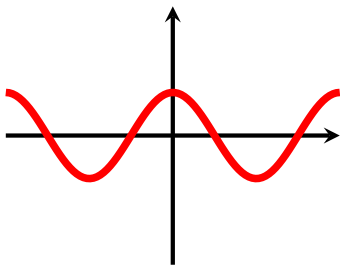
More Periodic Graphs

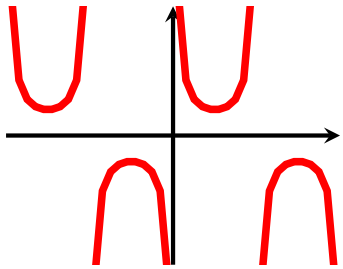
1. Identify the (unshifted) trigonometric functions graphed below as $\sin x$, $\cos x$, $\tan x$, etc.



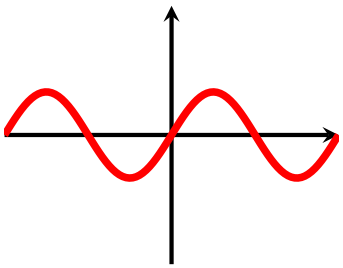
Trig Function = ☐



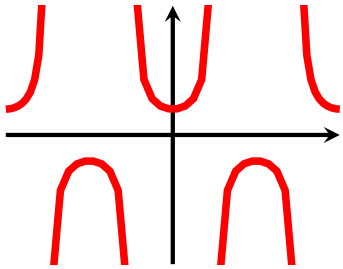
Trig Function = ☐



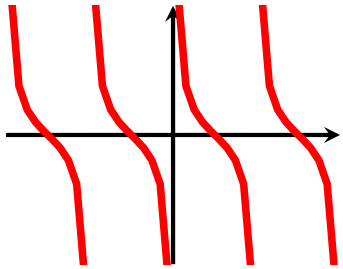
Trig Function = ☐



Trig Function = ☐



Trig Function = ☐



Trig Function = ☐

2. Classify the functions below as **even** or **odd**.
   Recall: "even" means $f(-x) = f(x)$ *and "odd" means* $f(-x) = -f(x)$.

(a) $\sin(x)$	(b) $\cos(x)$	(c) $\sec(x)$	(d) $\tan(x)$	(e) $\sin(2x)$	(f) $\sin(x^2)$

3. Give the period of the functions below.

(a) $4\sin(3x-2)$	(b) $2\sec(4x-3)$	(c) $3\tan(2x-4)$

4. Identify the location of the asymptotes of the functions below

(a) $4\tan(3x)$

(b) $2\sec(4x)$

(c) $3\csc(2x)$

5. Give all solutions between 0 and 2π of the equations below.

(a) $\sin(x) = \dfrac{1}{2}$

(b) $\tan(x) = 1$

(c) $\sec(x) = -2$