

T	R	I	G	O
		<b>X</b>		
<b>Answers:</b> 3    5 4    1 6    0 8    -7	$-\frac{\pi}{6}$ $\frac{\pi}{2}$  $\frac{2\pi}{3}$ $2\pi$  $\frac{\pi}{6}$ $\pi$  $\frac{\pi}{3}$ $3\pi$	$y = \sin x$  $y = \cos x$  $2 \leq y \leq 6$  $-2 \leq y \leq 6$  $\frac{\pi}{4}$ $-\frac{\pi}{8}$  $\frac{\pi}{2}$ $\frac{2\pi}{3}$	60    30  225    240  $\frac{\pi}{4}$ $\frac{\pi}{2}$  $\frac{5\pi}{3}$ $\frac{11\pi}{6}$	$\frac{r}{x}$ $\frac{r}{y}$  $\frac{y}{x}$ $\frac{x}{y}$  $\sec \frac{3\pi}{4}$  $\csc \frac{3\pi}{4}$  $\sec \frac{4\pi}{3}$  $\csc \frac{4\pi}{3}$

T  $y = -3\cos 4\left(x - \frac{\pi}{4}\right) + 5; \text{ amp} = \underline{\hspace{2cm}}$

T  $y = -3\cos 4\left(x - \frac{\pi}{4}\right) + 5; \text{ v.d.} = \underline{\hspace{2cm}}$

T  $y = 4\sin 2\left(x - \frac{\pi}{6}\right) + 1; \text{ amp} = \underline{\hspace{2cm}}$

T  $y = 4\sin 2\left(x - \frac{\pi}{6}\right) + 1; \text{ v.d.} = \underline{\hspace{2cm}}$

T  $y = 6\sin 3(x - 20); \text{ amp} = \underline{\hspace{2cm}}$

T  $y = 6\sin 3(x - 20); \text{ v.d.} = \underline{\hspace{2cm}}$

T  $y = 8\cos\frac{2}{3}x - 7; \text{ amp} = \underline{\hspace{2cm}}$

T  $y = 8\cos\frac{2}{3}x - 7; \text{ v.d.} = \underline{\hspace{2cm}}$

R  $y = \cos\left(x + \frac{\pi}{6}\right) + 1.5; \text{ p.s.} = \underline{\hspace{2cm}}$

R  $y = \sin 3\left(x - \frac{\pi}{2}\right); \text{ p.s.} = \underline{\hspace{2cm}}$

R  $y = \sin 3\left(x - \frac{\pi}{2}\right); \text{ per.} = \underline{\hspace{2cm}}$

R  $y = \cos\left(x + \frac{\pi}{6}\right) + 1.5; \text{ per.} = \underline{\hspace{2cm}}$

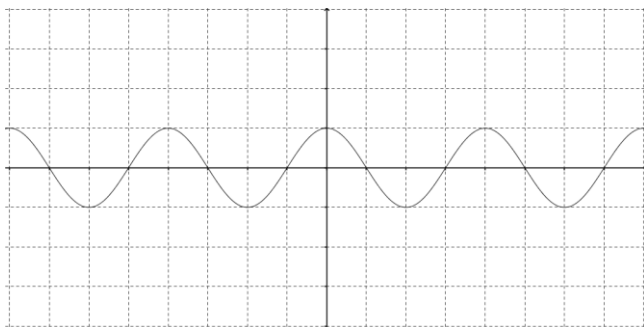
R  $y = -5 \sin 2\left(x - \frac{\pi}{6}\right) + 1; \quad p.s. = \underline{\hspace{2cm}}$

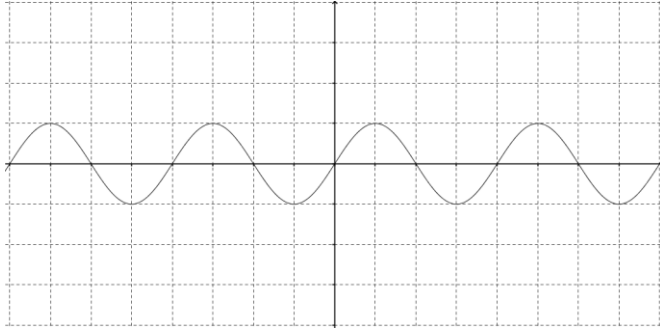
R  $y = -5 \sin 2\left(x - \frac{\pi}{6}\right) + 1; \quad per. = \underline{\hspace{2cm}}$

R  $y = 7 \cos \frac{2}{3}\left(x - \frac{\pi}{3}\right) - 8; \quad p.s. = \underline{\hspace{2cm}}$

R  $y = 7 \cos \frac{2}{3}\left(x - \frac{\pi}{3}\right) - 8; \quad per. = \underline{\hspace{2cm}}$

I





|

$$y = 2 \sin \frac{1}{3} (x + 45^\circ) + 4; \quad \text{range: } \underline{\hspace{2cm}}$$

|

$$y = 4 \sin \frac{1}{3} (x + 45^\circ) + 2; \quad \text{range: } \underline{\hspace{2cm}}$$

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$$y = \frac{1}{2} \cos \left( 2x - \frac{\pi}{2} \right) + 1; \quad \text{p.s.} = \underline{\hspace{2cm}}$$

|

$$y = 6 \sin \left( 2x + \frac{\pi}{4} \right) + 3; \quad \text{p.s.} = \underline{\hspace{2cm}}$$

|

|  $y = 3 \tan 2x$ ; *per.* = \_\_\_\_\_

|  $y = 2 \tan 3x$ ; *per.* = \_\_\_\_\_

G  $\frac{\pi}{3} \text{ rad} = \text{_____}^\circ$

G  $\frac{\pi}{6} \text{ rad} = \text{_____}^\circ$

G  $\frac{5\pi}{4} \text{ rad} = \text{_____}^\circ$

G  $\frac{4\pi}{3} \text{ rad} = \text{_____}^\circ$

G  $45^\circ = \underline{\hspace{2cm}} \text{ rad}$

G  $90^\circ = \underline{\hspace{2cm}} \text{ rad}$

G  $300^\circ = \underline{\hspace{2cm}} \text{ rad}$

G  $330^\circ = \underline{\hspace{2cm}} \text{ rad}$

O  $\sec \mathcal{G} = \underline{\hspace{2cm}}$

O  $\csc \mathcal{G} = \underline{\hspace{2cm}}$

O  $\tan \mathcal{G} = \underline{\hspace{2cm}}$

$\cot \mathcal{G} = \underline{\hspace{2cm}}$

$\frac{1}{\cos \frac{3\pi}{4}} = \underline{\hspace{2cm}}$

$\frac{1}{\sin \frac{3\pi}{4}} = \underline{\hspace{2cm}}$

$\frac{1}{\cos \frac{4\pi}{3}} = \underline{\hspace{2cm}}$

$\frac{1}{\sin \frac{4\pi}{3}} = \underline{\hspace{2cm}}$