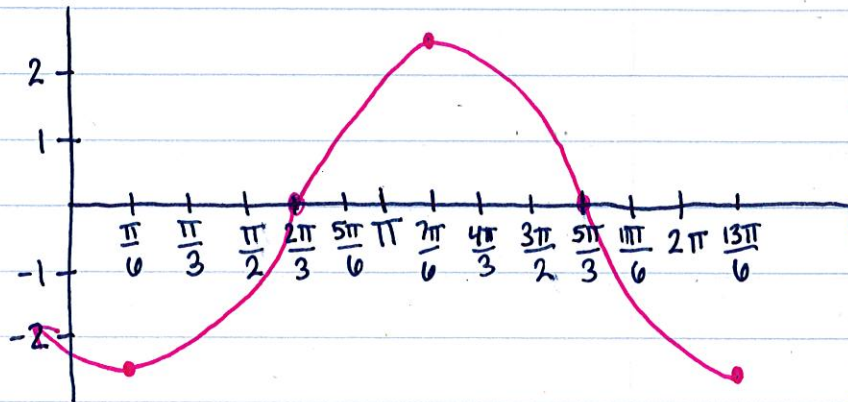


Graphing Transformations of Trig Graphs

1. $A: \frac{5}{2}$ $P: 2\pi$ $P.S.: \text{Right } \frac{\pi}{6}$ $S.A.: y=0$

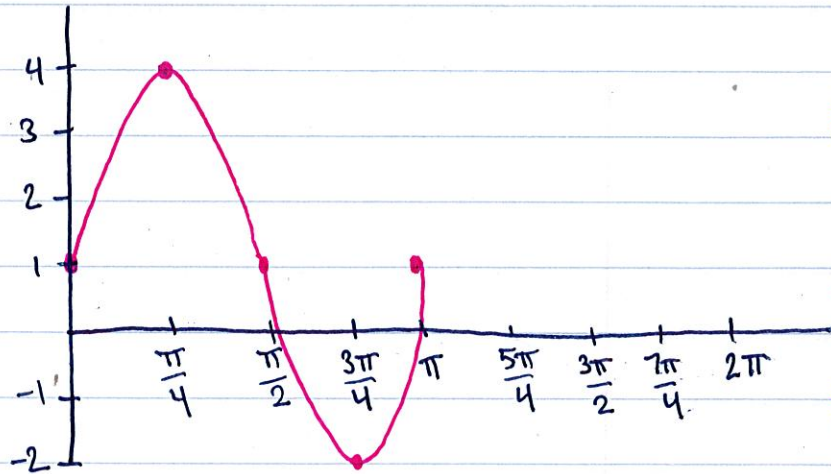
* Reflected over X-axis.

	X	Y	
$\frac{\pi}{6}$	0	1	$-\frac{5}{2}$
$\frac{2\pi}{6}$	$\frac{\pi}{2}$	0	0
$\frac{3\pi}{6}$	π	-1	0
$\frac{4\pi}{6}$	$\frac{3\pi}{2}$	0	0
$\frac{5\pi}{6}$	2π	1	0
$+\frac{\pi}{6}$			mult. $-\frac{5}{2}$



2. $A: 3$ $P: \pi$ $P.S.: \text{none}$ $S.A.: y=1$

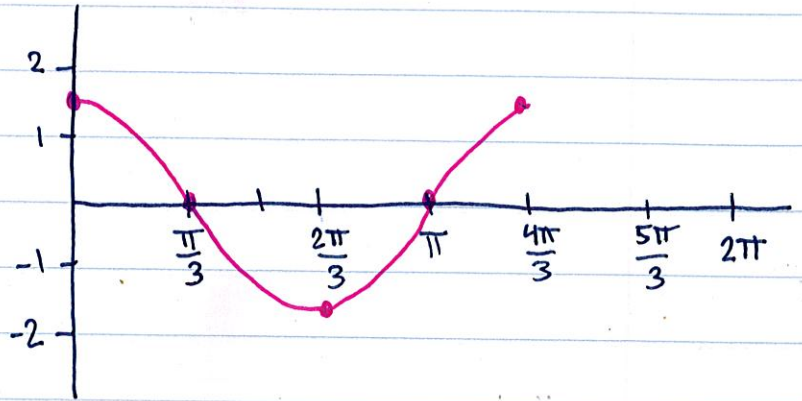
	X	Y	
0	0	0	0 1
$\frac{\pi}{2}$	$\frac{\pi}{2}$	1	3 4
$\frac{\pi}{2}$	π	0	0 1
$\frac{3\pi}{2}$	$\frac{3\pi}{2}$	-1	-3 -2
π	2π	0	0 1
mult. $\frac{1}{2}$			mult. 3 +1



3. $A: \frac{3}{2}$ $P: \frac{4\pi}{3}$ P.S.: none S.A: $y=0$

	X	Y	
0	0	1	$\frac{2\pi}{3}$
$\frac{\pi}{3}$	$\frac{\pi}{2}$	0	0
$\frac{2\pi}{3}$	π	-1	$-\frac{3\pi}{2}$
π	$\frac{3\pi}{2}$	0	0
$\frac{4\pi}{3}$	2π	1	$\frac{2\pi}{3}$

mult. $\frac{2\pi}{3}$ mult. $\frac{2\pi}{3}$



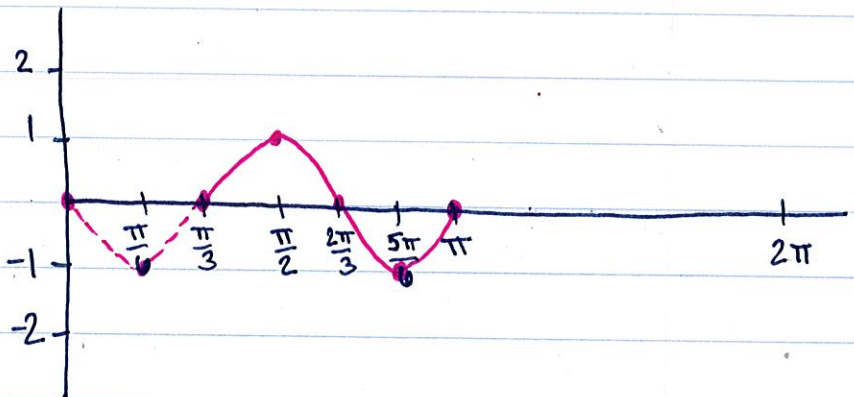
4. $A: 1$ $P: \frac{2\pi}{3}$ P.S: Right $\frac{\pi}{3}$ S.A: $y=0$

	X	Y
0	0	0
$\frac{\pi}{3}$	$\frac{\pi}{2}$	1
$\frac{2\pi}{3}$	π	0
$\frac{4\pi}{3}$	$\frac{3\pi}{2}$	-1
$\frac{5\pi}{3}$	2π	0

mult. $\frac{2\pi}{3}$

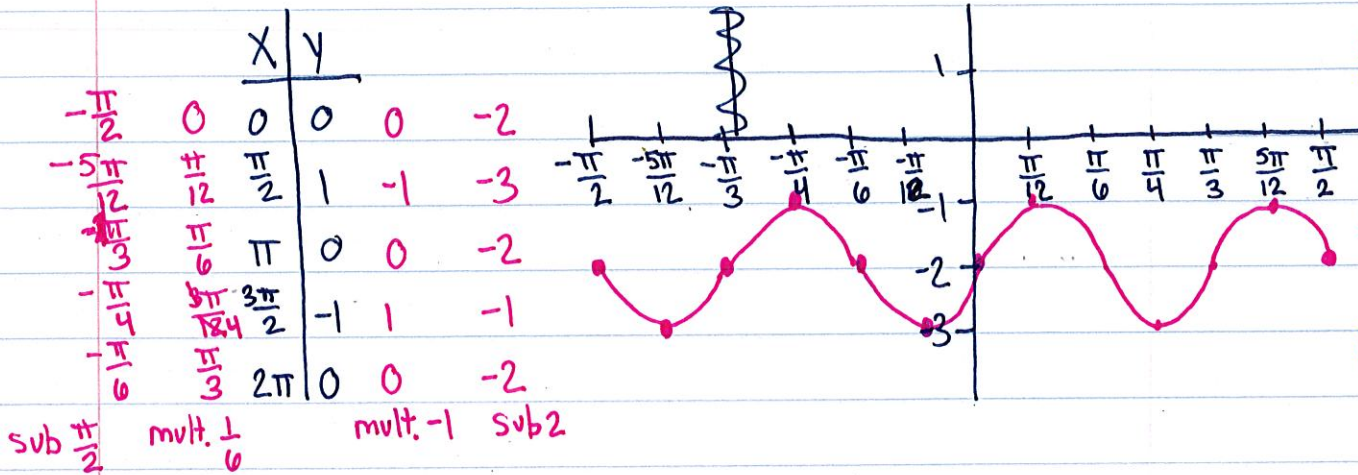
$\frac{\pi}{3}$ $\frac{2\pi}{3}$ $\frac{4\pi}{3}$ $\frac{5\pi}{3}$ 2π

$+\frac{\pi}{3}$



5. A: 1 P: $\frac{\pi}{3}$ P.S: left $\frac{\pi}{2}$ S.A: $y = -2$

* Reflected over x-axis!



6. A: 2 P: $\frac{2\pi}{3}$ P.S. Right $\frac{\pi}{6}$ S.A. $y = -2$

