

PICK ANY 4 TO DO. MIX IT UP - SIN & COS
FRACTION FOR b, no fraction, etc

H. Algebra 2

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Name _____

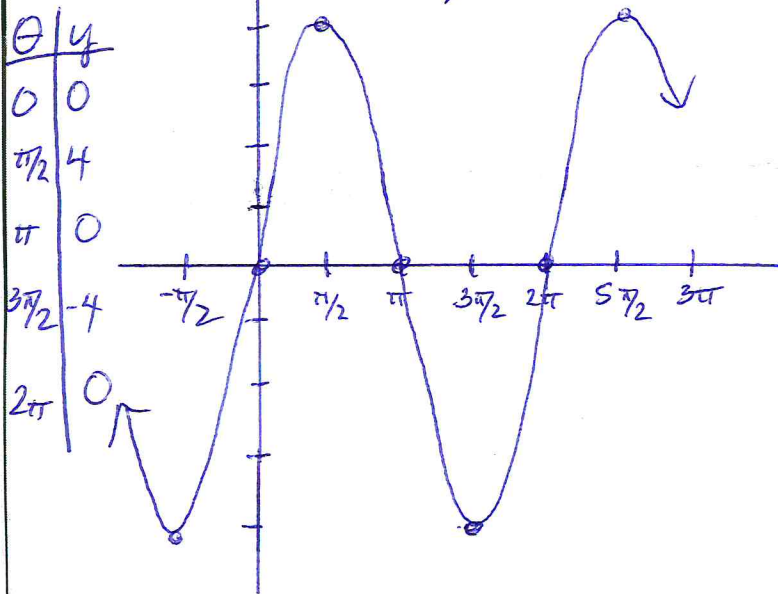
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Graphing Sine/Cosine Practice

Date _____

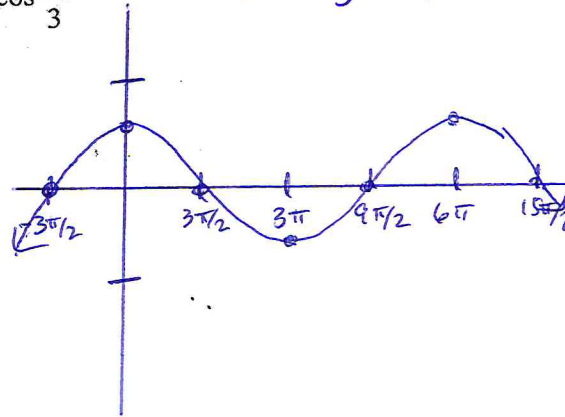
Graph one ⁺cycle of the following. Make a table. Show your a, b, P inventory.

1) $y = 4\sin \theta$ $b=1$ $a=4$ $P=2\pi/1=2\pi$

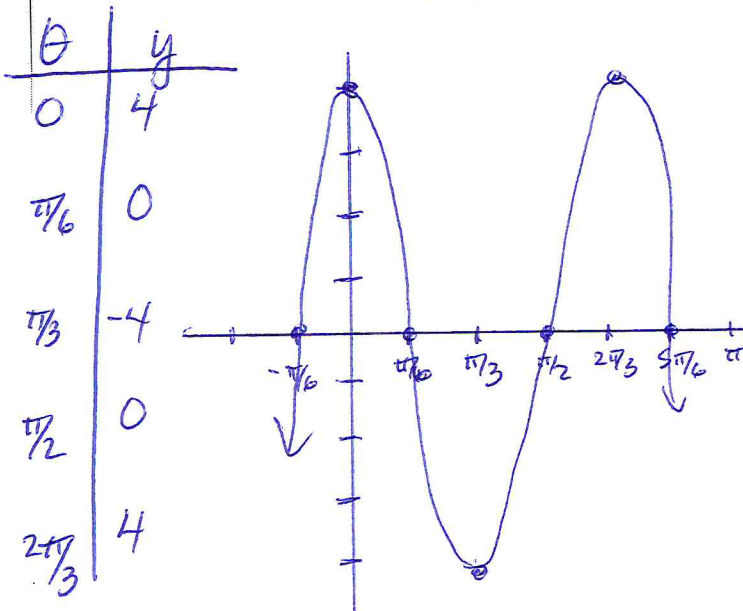


2) $y = \frac{1}{2} \cos \frac{\theta}{3}$

θ	y
0	$\frac{1}{2}$
$3\pi/2$	0
3π	$-\frac{1}{2}$
$9\pi/2$	0
6π	$\frac{1}{2}$



3) $y = 4\cos 3\theta$ $a=4$ $P=2\pi/3$ $b=3$



4) $y = \sin \frac{\theta}{2}$ $a=1$ $b=\frac{1}{2}$ $P=\frac{2\pi}{\frac{1}{2}}=\frac{2\pi}{1} \cdot \frac{2}{1}=4\pi$

