

Name: Key

Precalculus

Quiz 2 over 5.4

Period

$$y = A \sin B(x + C) + D$$

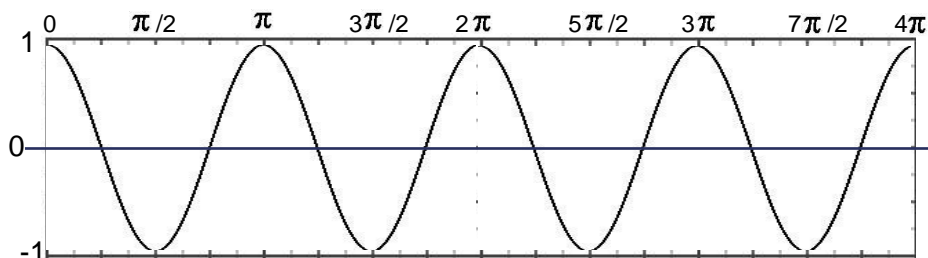
Find the amplitude and period of these functions.

	<i>Amplitude</i>	<i>Period</i>
1) $y = 3\sin\frac{2t}{3}$	<u>3</u>	<u><math>3\pi</math></u>
2) $y = \cos 5t$	<u>1</u>	<u><math>\frac{2}{5}\pi</math></u>
3) $y = -2\sin\frac{4t}{3}$	<u>2</u>	<u><math>\frac{3}{2}\pi</math></u>
4) $y = \frac{1}{5}\sin 3t$	<u><math>\frac{1}{5}</math></u>	<u><math>\frac{2}{3}\pi</math></u>
5) $y = \sin 8t$	<u>1</u>	<u><math>\frac{1}{4}\pi</math></u>

Graph completely across the given coordinate system.

Graph  $y = A\cos Bt$

6)  $A = 1, P = \pi$



Graph  $y = A\sin Bt$

7)  $A = 2, P = \frac{4\pi}{3}$

