



[Vertical Shifting Of Sinusoidal Graphs Algebra 2 With Trigonometry Homework](#)

6.1 I can recognize the graph of sine or cosine function.

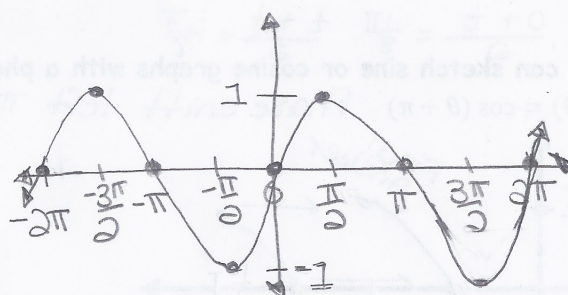
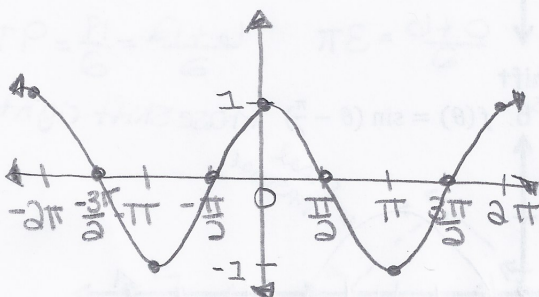
What is the difference, on the graph, between sine and cosine?

The sine graph has a y-intercept of (0,0), the cosine graph has a y-intercept of (0,1)

6.2 I can construct the graph of the Sine or Cosine function using multiple periods.

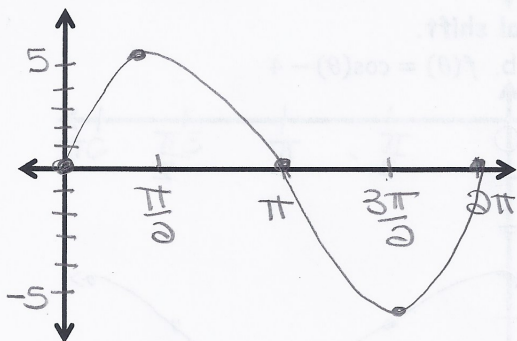
a. Graph $f(\theta) = \cos\theta$ for $-2\pi \leq \theta \leq 2\pi$

b. Graph $f(\theta) = \sin\theta$ for $-2\pi \leq \theta \leq 2\pi$



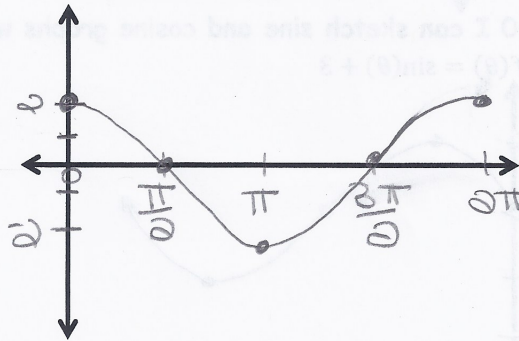
6.3 I can sketch the sine graph with amplitude other than 1.

Graph $f(\theta) = 5\sin\theta$



6.4 I can sketch the cosine graph with amplitude other than 1.

Graph $f(\theta) = 2\cos\theta$



6.7 I can identify the amplitude of the sine or cosine graphs.

a. $f(\theta) = 8\sin(\theta)$

amplitude: 8

b. $f(\theta) = 6\cos(\theta)$

amplitude: 6

6.8 I can identify the period of the sine or cosine graphs.

a. $f(\theta) = \sin(\frac{1}{7}\theta)$

period: 14pi

$$\frac{2\pi}{\frac{1}{7}} = 2\pi \cdot 7 = 14\pi$$

b. $f(\theta) = \cos(6\theta)$

period: pi/3

$$\frac{2\pi}{6} = \frac{\pi}{3}$$



Prove/Verify Trig Identities Worksheet. loot co za sitemap dictionary com s list of every. ... Worked Example: Ferris Wheel Problem: Ferris Wheel Trig Problem (part 2) ... Algebra -> Trigonometry-basics-> SOLUTION: A Ferris wheel is 45 meters in ... Construct graphs that deal with the horizontal and vertical components of the ...

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