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

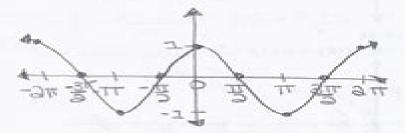
What is the difference, on the graph, between sine and cosine?

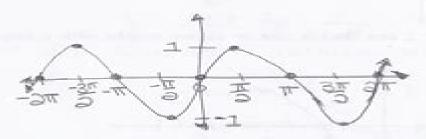
The sine graph has a y-intercept of (0,0), the cosine grouph has a y-intercept of (0,1)

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

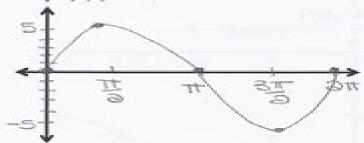
a. Graph  $f(\theta) = \cos\theta$  for  $-2\pi \le \theta \le 2\pi$ 

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

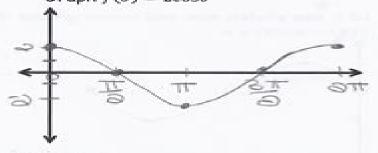




6.3 I can sketch the sine graph with amplitude other than 1. Graph  $f(\theta) = 5sin\theta$ 



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: \_\_(\_

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

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

$$F \cdot \pi G = \pi G$$

$$\pi \mu I = \mp$$

b.  $f(\theta) = \cos(6\theta)$ period:  $\frac{1}{3}$ 

# **Graphing Trig Functions Review Answer Key**

**Padhraic Smyth** 

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