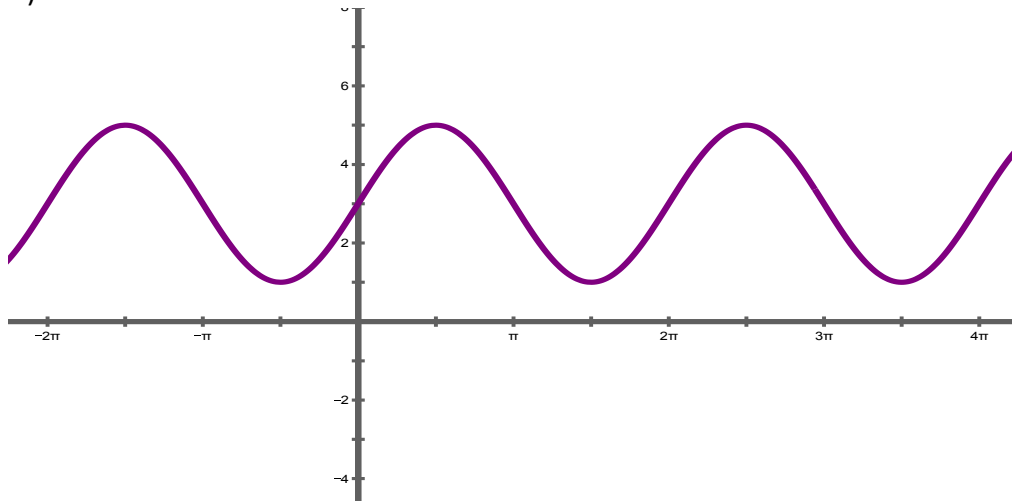


## Section 4.5 – Graphs of Sine & Cosine Functions (Day 4)

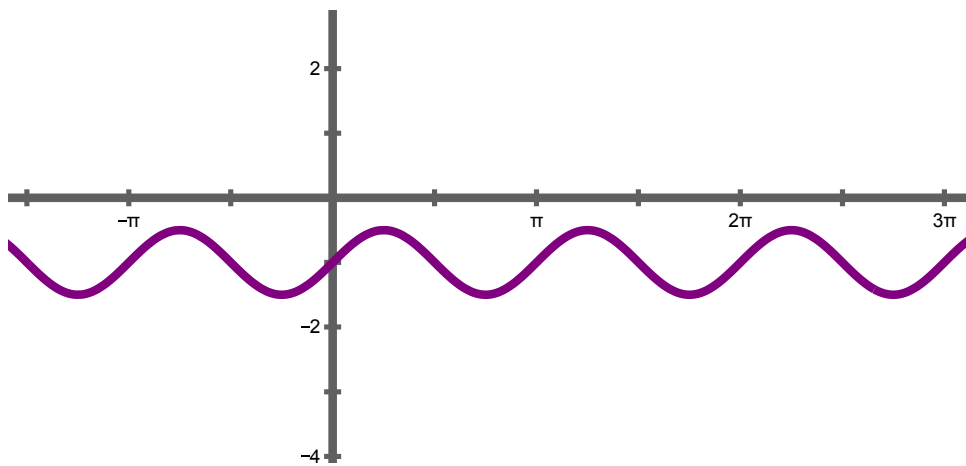
### Homework for 4.5 day 4

1. Write the equation that represents the following sinusoid graphs:

A)

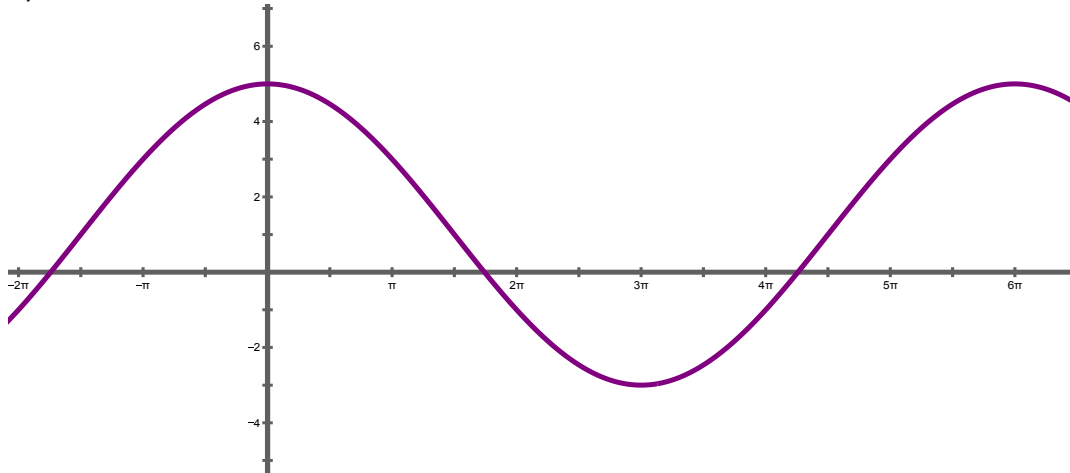


B)

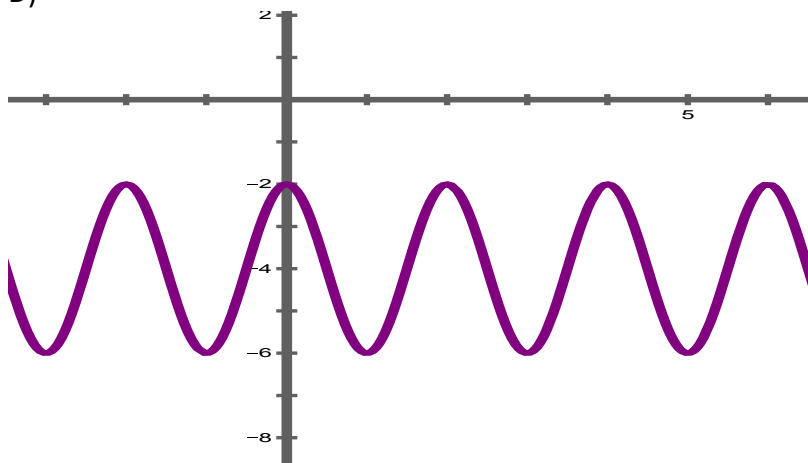


## Section 4.5 – Graphs of Sine & Cosine Functions (Day 4)

C)



D)



## Section 4.5 – Graphs of Sine & Cosine Functions (Day 4)

2. Sketch the graph and write the sinusoidal model that represents the height of a rider above the ground  $y$  in terms of the time,  $t$ , if the rider gets on the ride at time 0 with a height of 0 feet, and then reaches the maximum height of 70 feet for the 1<sup>st</sup> time 80 seconds later

3. Write the equations for #63-70 from page 329 in your textbook (here is a scan of them)

