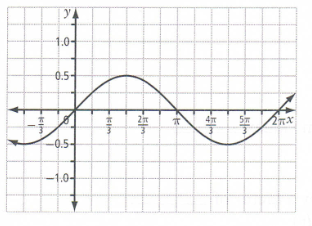
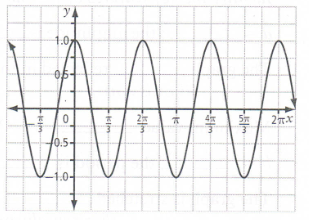
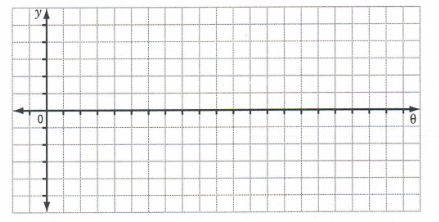
QUIZ 5.1 – 5.3

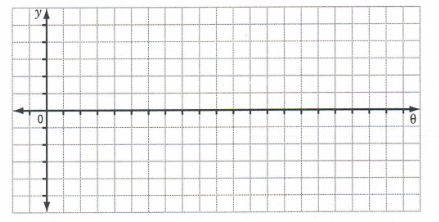
1. Determine the amplitude and the period in degrees and in radians.   
   a)   
     
     
     
   b)   
     
     
     
   c)
2. Determine the amplitude and the period in radians :  
   a)   
   **  
   b)   
   **
3. Identify the characteristics (amplitude, max, min, period, intercepts) for both functions and graph on at least 2 periods.  
   a)

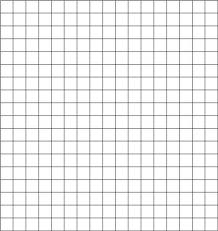
|  |  |  |
| --- | --- | --- |
|  |  |  |
| Amplitude |  |  |
| max |  |  |
| min |  |  |
| period |  |  |
| *y*-intercept |  |  |
| -intercepts |  |  |

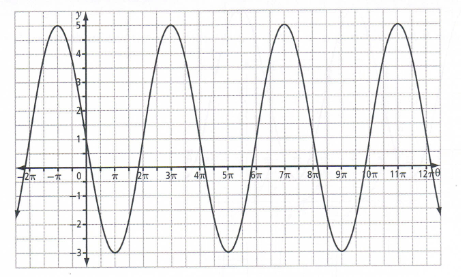
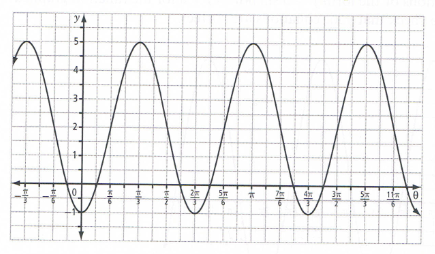
  
b) Same question with no graphing.

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Amplitude |  |  |
| max |  |  |
| min |  |  |
| period |  |  |
| *y*-intercept |  |  |
| -intercepts |  |  |

|  |  |  |
| --- | --- | --- |
|  |  |  |
| amplitude |  |  |
| period |  |  |
| Phase shift |  |  |
| Centre line |  |  |
| domain |  |  |
| Range |  |  |

1. Same question and graph  :  
   **
2. Graph  over 2 periods, give its domain, its period and the equations of its asymptotes, *x* is in radians.



1. Determine the equation of the function represented below. Explain why you chose cos or sin.  
     
   **
2. Determine the equation of the function represented below. Explain why you chose cos or sin.  
     
   **