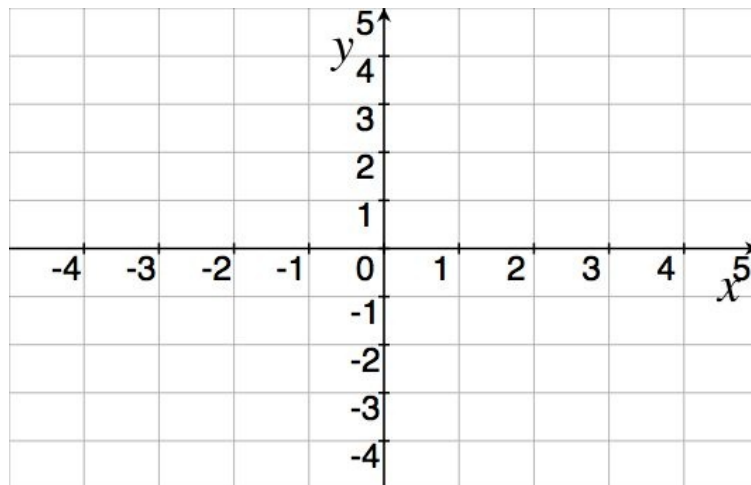# Quiz 4

Show *all* your work. No credit is given without reasonable supporting work. There are *two* sides to this quiz.
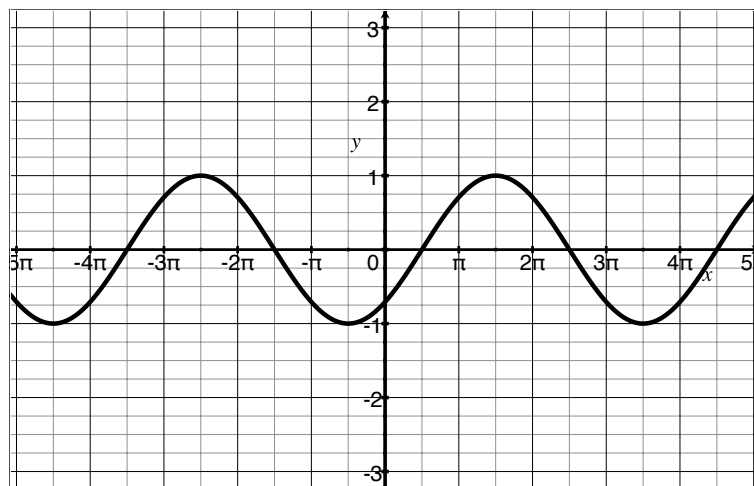
1. [3] (WebHW10 #11)
   Draw the circle defined by:
   $x^2 + 6x + y^2 = -5$

2. [2] (WebHW11 #22) Given that $\cos(x) = \frac{60}{61}$ and $-90° < x < 0°$, find the exact value of $\sin(x)$ (that means I'm expecting a fraction!).

3. Consider the graph of f:

    (a) [1] (trigTransform #5)
        Find the period of f.

    (b) [4] (§4.4 #82) Write an equation for f.