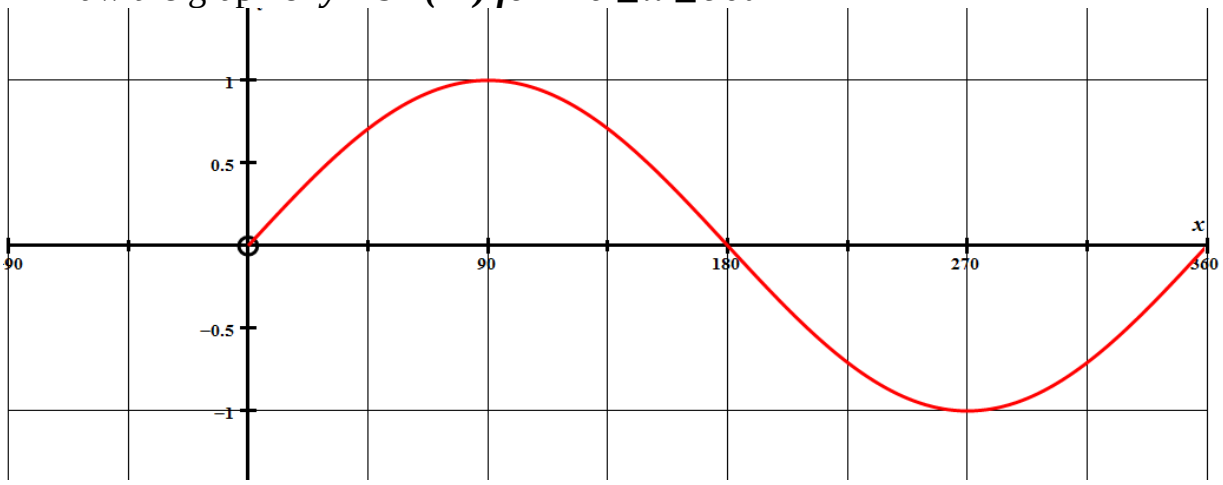
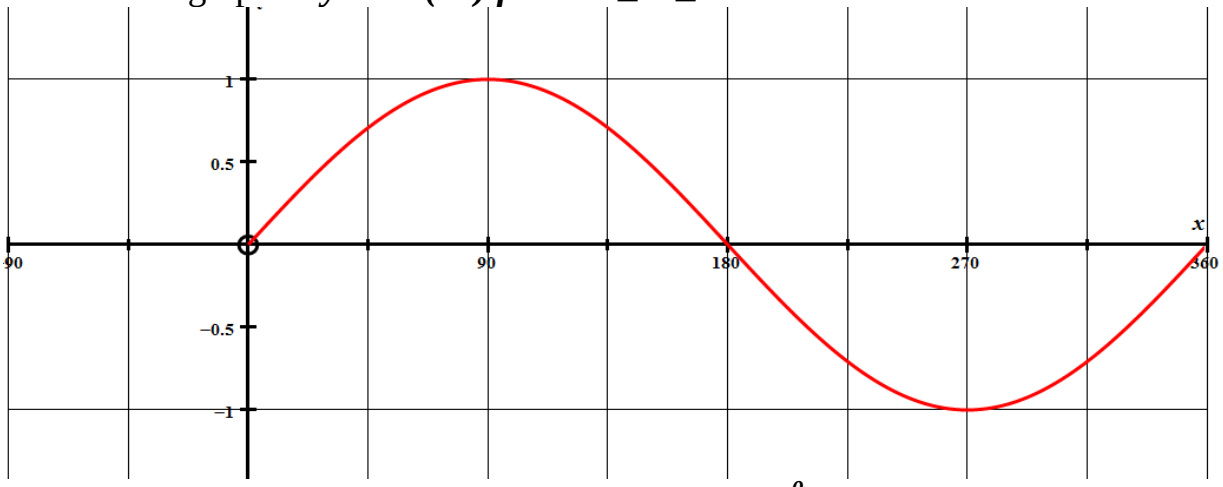
Changing the PERIOD of trigonometric graphs.

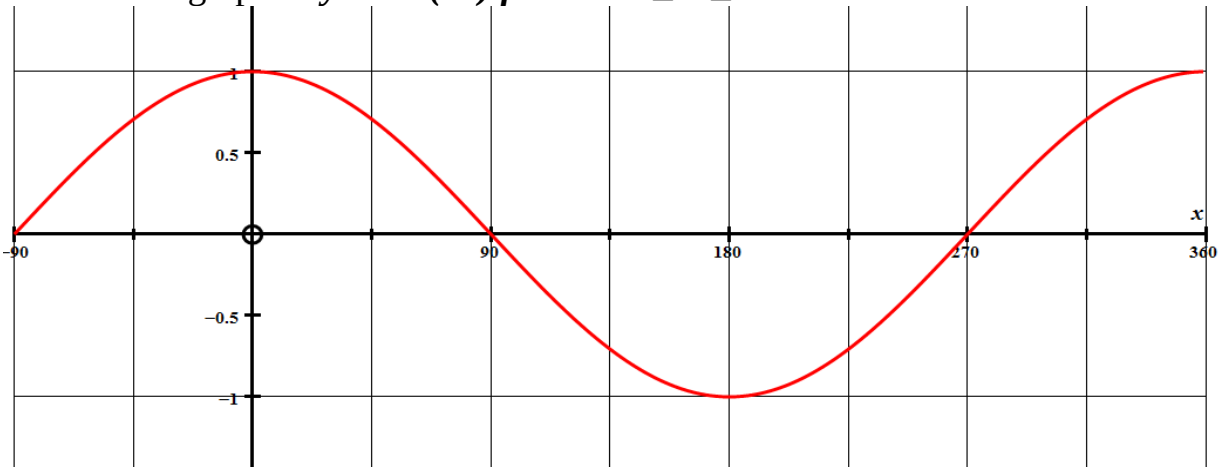
1. The graph below is $y = sin(x)$ for $0 \leq x \leq 360^0$
   Draw the graph of $y = sin(2x)$ for $0 \leq x \leq 360^0$



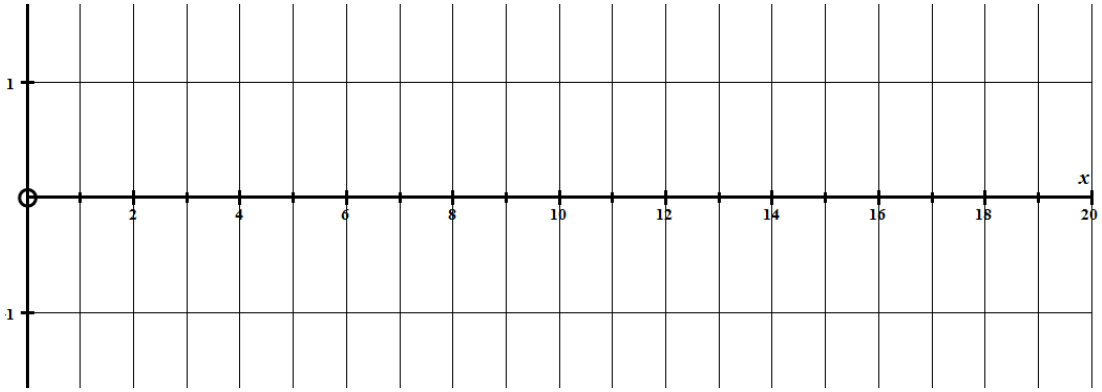
2. The graph below is $y = sin(x)$ for $0 \leq x \leq 360^0$
   Draw the graph of $y = sin(4x)$ for $0 \leq x \leq 360^0$



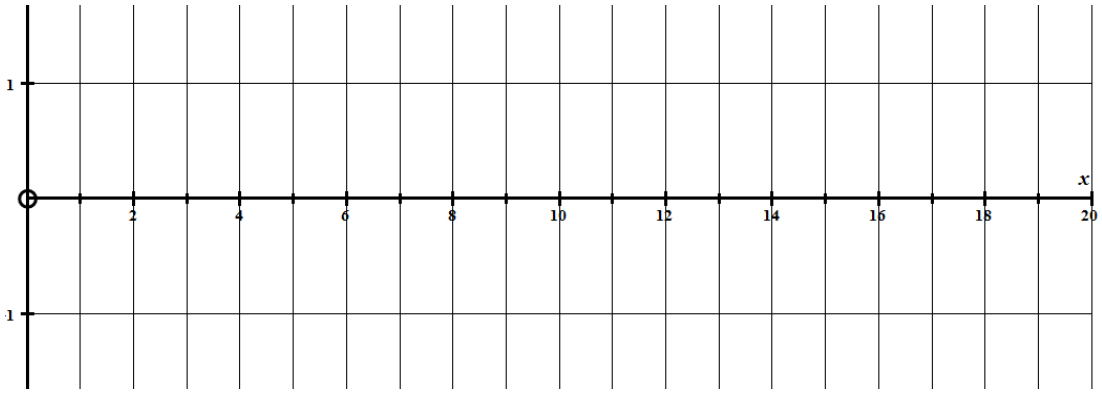
3. The graph below is $y = cos(x)$ for $-90 \leq x \leq 360^0$
   Draw the graph of $y = cos(2x)$ for $-90 \leq x \leq 360^0$



4. Draw the graph of just 1 period of ***y = sin(20x)*** on the axes below.



5. Draw the graph of just 1 period of ***y = sin(30x)*** on the axes below.



6. Draw the graph of just 1 period of ***y = cos(30x)*** on the axes below.