

Trigonometry Graphing Sheet

Calculators are recommended for this activity

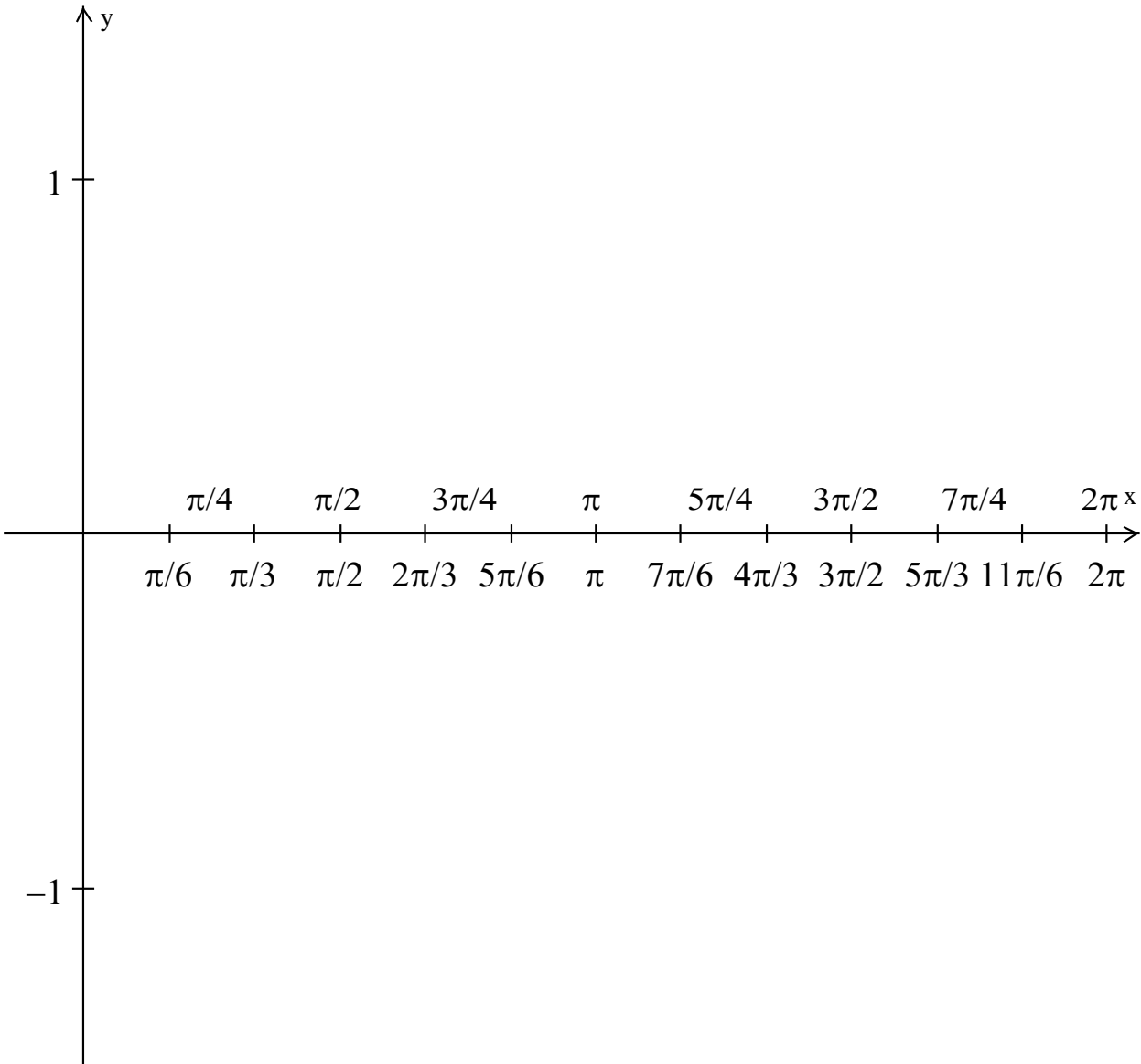
Graph the given trig function over the given interval in the axes provided.

1)  $y = \sin x$

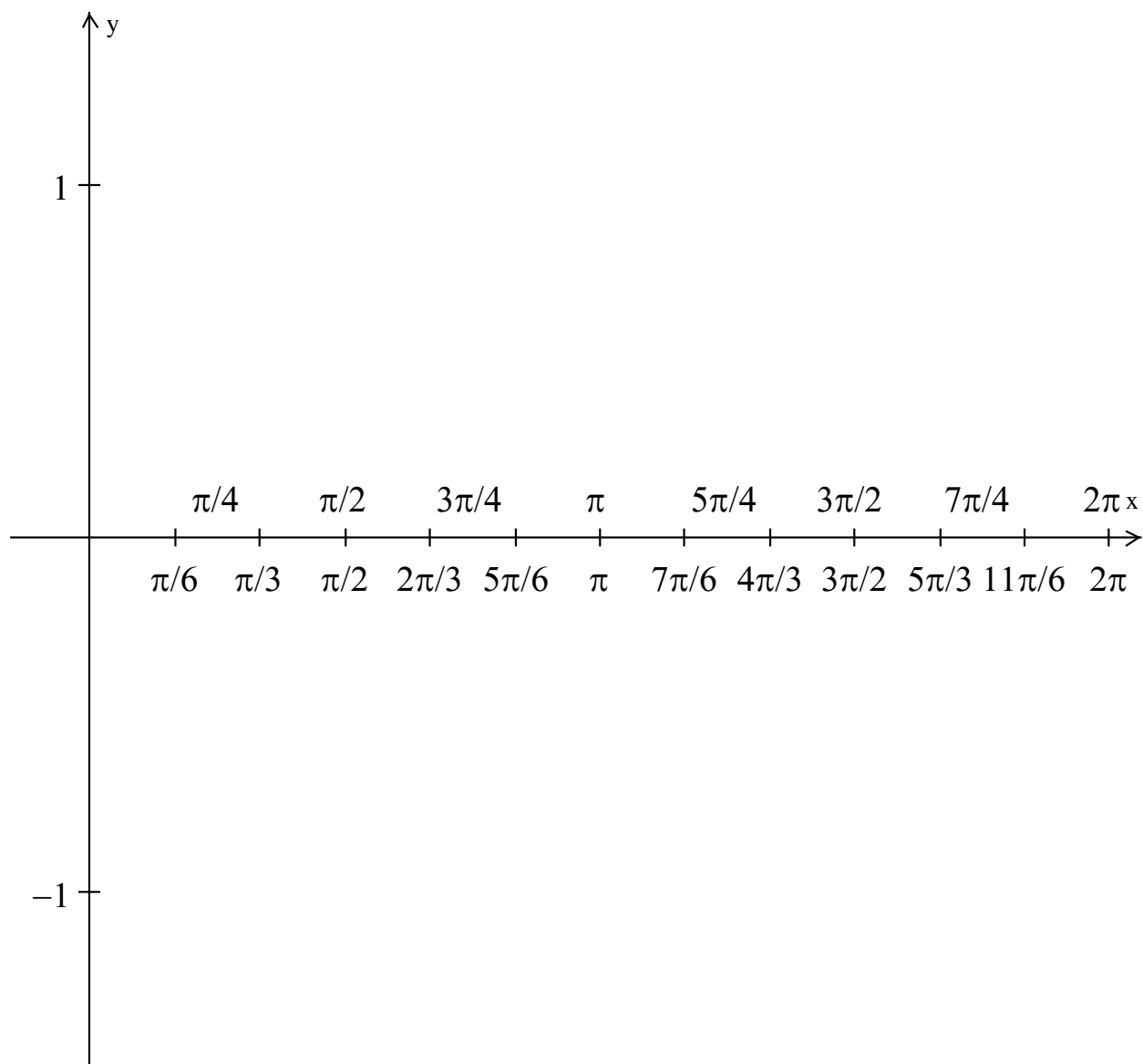
| $x$ | $\sin x$ |
|-----|----------|
|     |          |
|     |          |
|     |          |
|     |          |

| $x$ | $\sin x$ |
|-----|----------|
|     |          |
|     |          |
|     |          |
|     |          |

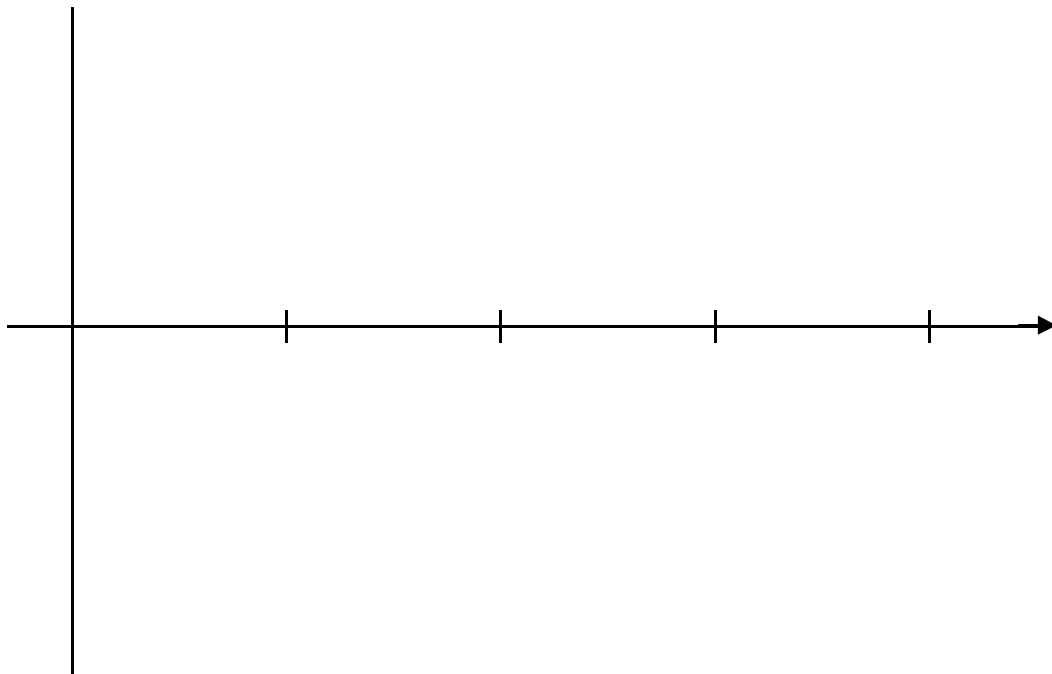
| $x$ | $\sin x$ |
|-----|----------|
|     |          |
|     |          |
|     |          |
|     |          |



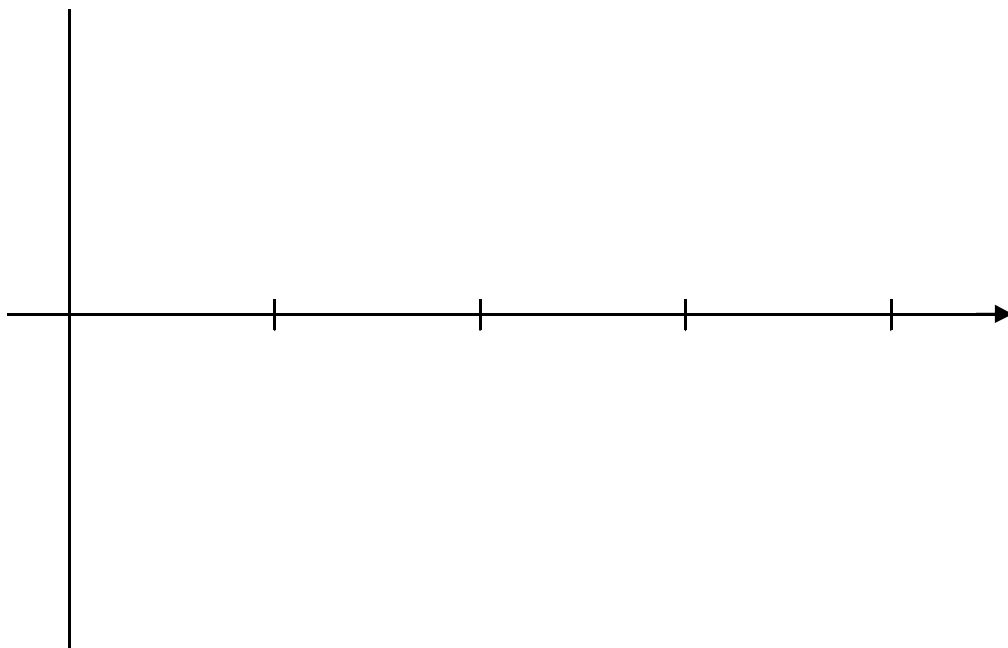
2)  $y = \cos x$



3)  $y = \sin 5x$  one period starting at 0

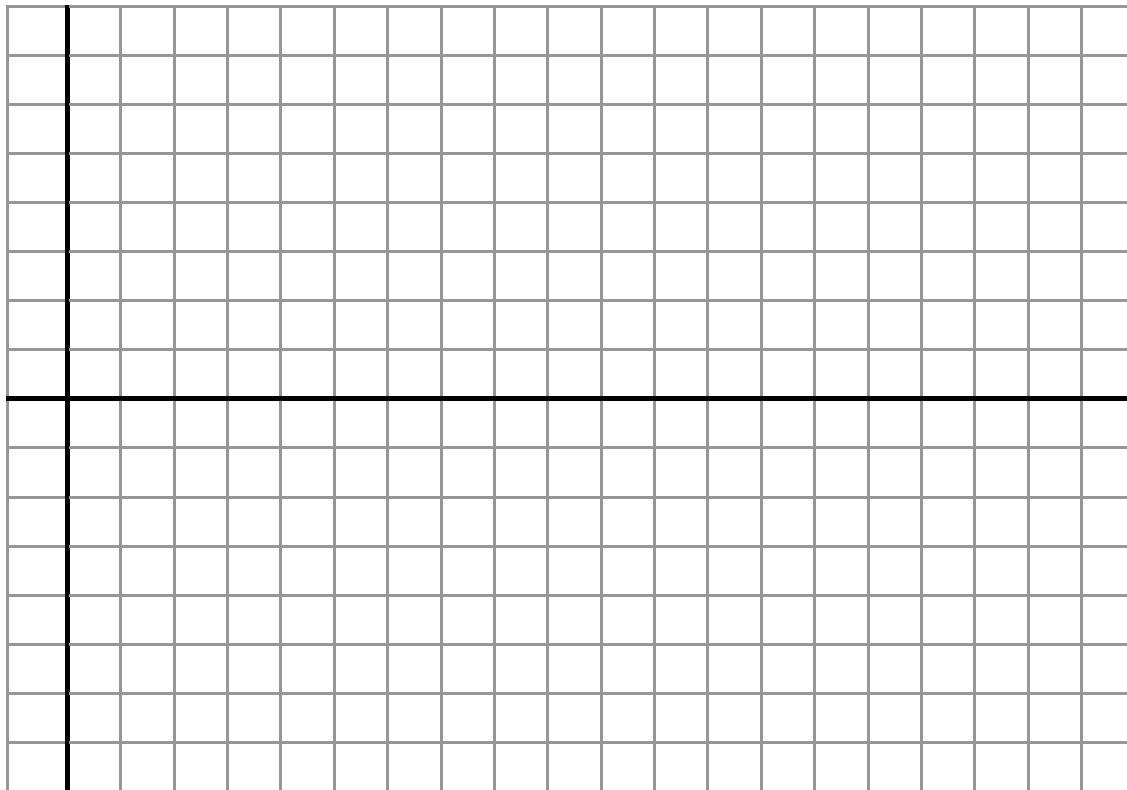


4)  $y = \cos 4x$  over the interval  $0 \leq x \leq \pi$

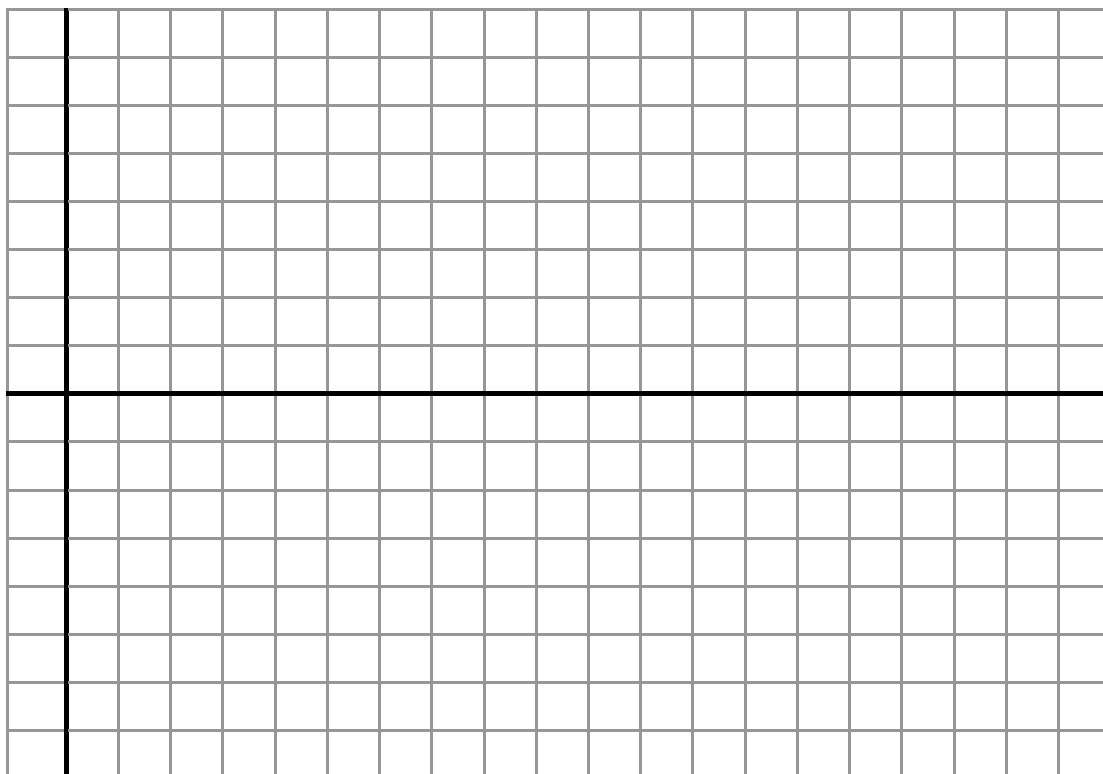


Graph the given trig function over the given interval in the axes provided.

5)  $y = \sin 3\left(x - \frac{\pi}{2}\right)$  two periods starting at 0



6)  $y = 4\cos x - 2$  over the interval  $0 \leq x \leq 2\pi$



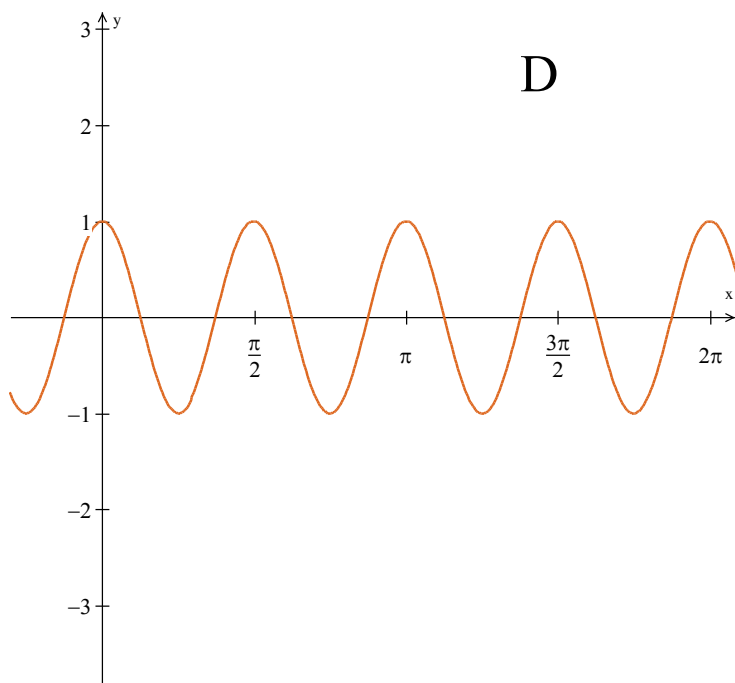
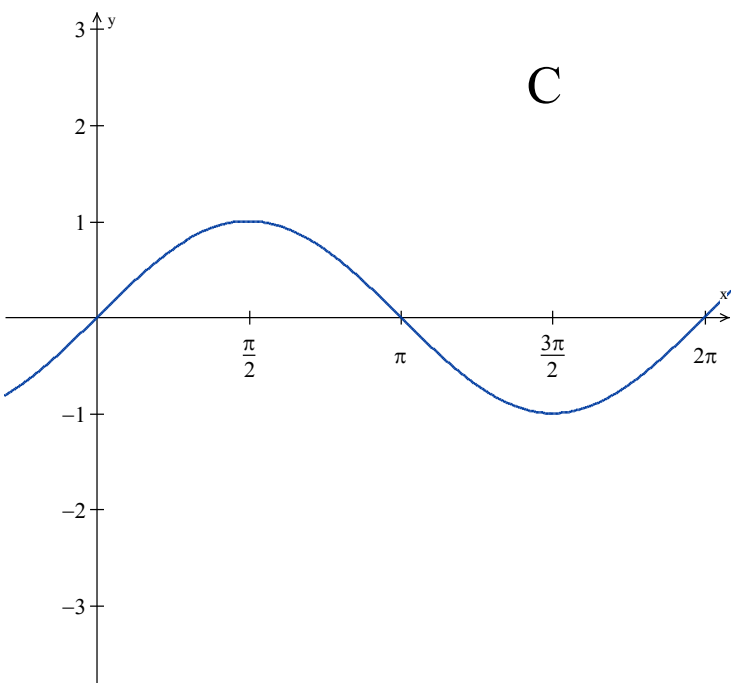
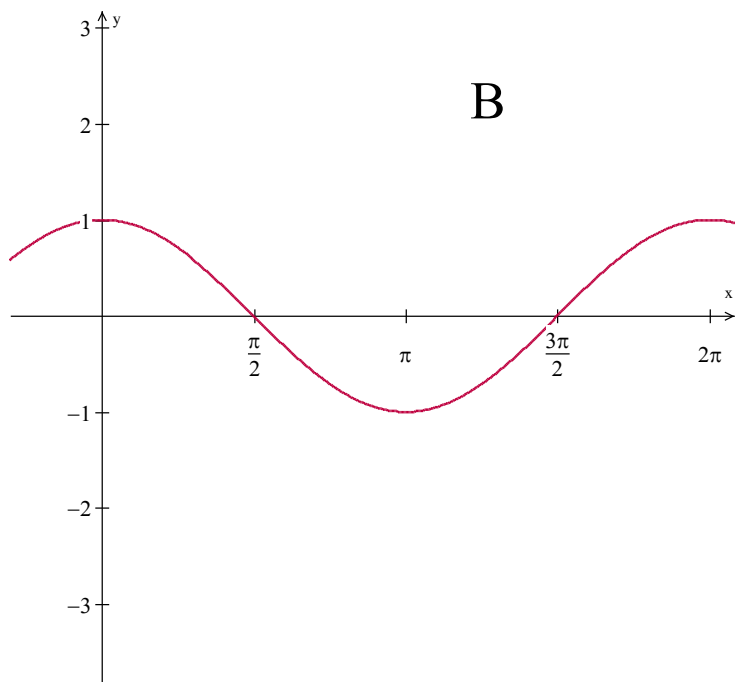
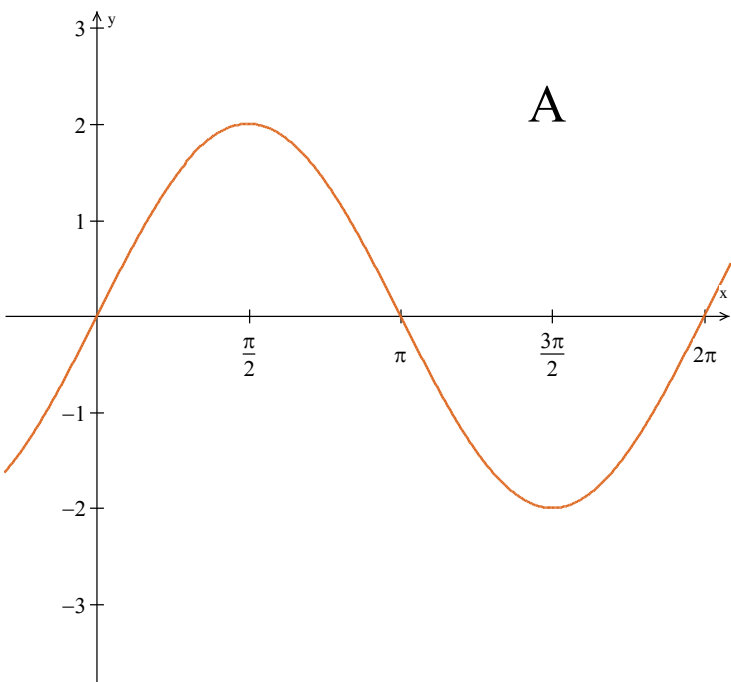
Match the graphs with their functions

$y = \sin x$  \_\_\_\_\_

$y = 2\sin x$  \_\_\_\_\_

$y = \cos x$  \_\_\_\_\_

$y = \cos 4x$  \_\_\_\_\_



Match the graphs with their functions

Period differences; more subtle ones here

