

You may have been looking at the graph of  $y = \sin x$  instead of  $y = \sin 3x$ . Look at one cycle of the graph of  $y = \sin 3x$  just to the right of the  $y$ -axis. The function equals 0 when the graph crosses the  $x$ -axis. Find the first point to the right of the  $y$ -axis where this happens.