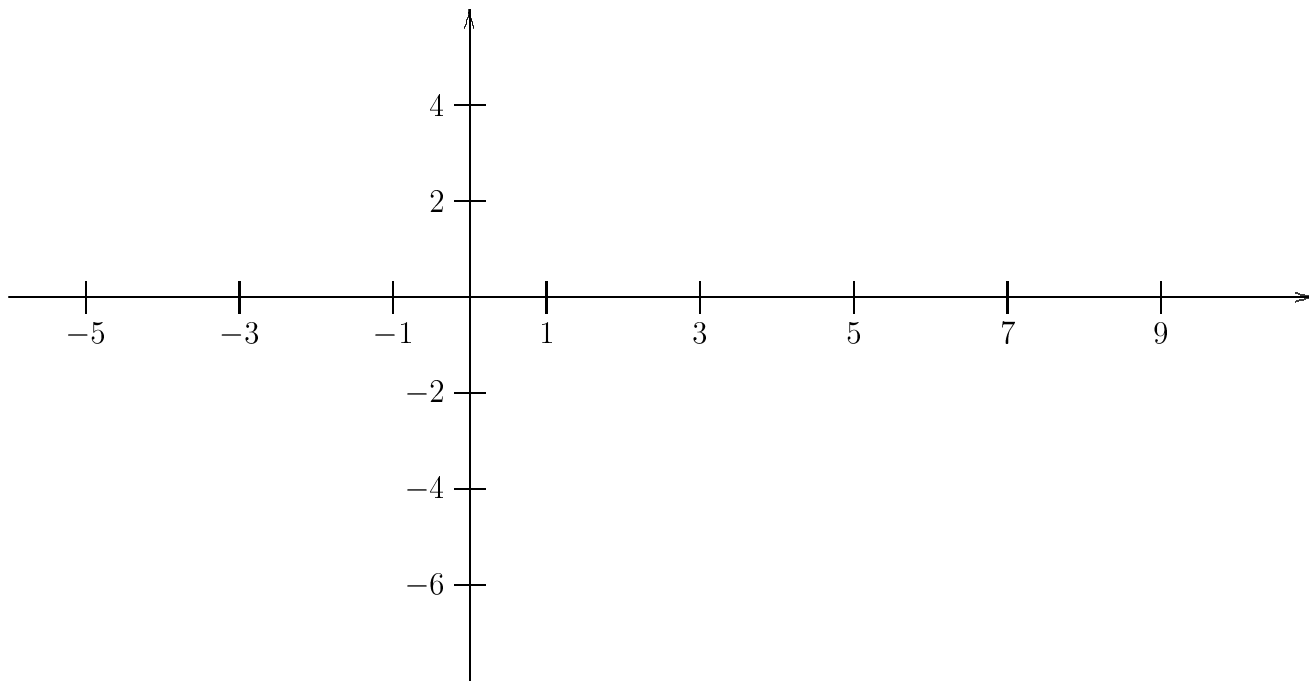


Quiz #6

SHOW YOUR WORK

- (a) (5 points) Sketch a careful graph of $y = -2 + 5 \sin\left(\frac{\pi x}{3} + \frac{\pi}{6}\right)$ on the grid below.



- (b) (5 points) Sketch the line $y = -4$ on the grid above. Find all the points where the line and the sinusoidal function intersect, on the domain $-5 \leq x \leq 9$.