(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 \(-5 \leq x \leq 9\).