KFUPM Math101 Quiz#3 Sec.#45

Name: Serial#:

Q1. Find a parabola with equation $y = ax^2 + bx + c$ that has slope 4 at $x = 1$, slope -8 at $x = -1$, and passes through the point (2, 15)

Q2. Find the limit $\lim_{x \to 0} \frac{sin2x+cosx-1}{2x-tanx}$