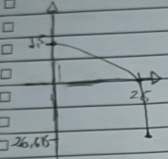




□ Aufgabe 3:

□ 1) a. $f(t) = -4.9t^2 + 9.8t + 1.5$

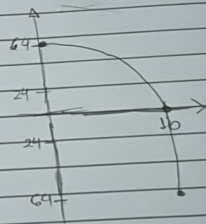


□ 2) $h(x) = -2x^2 + 36x - 24$

□ $h(30) = -2(30) + 36(10) - 24$

□ $h(10) = -200 + 360 - 24$

□ $h(10) = -64$



□ $D = -2x^2 + 36x - 24$

□ $\Delta = 36^2 - 4(-2)(-24)$

□ $\Delta = 256 - 192$

□ $\Delta = 64$

□ $x = \frac{-36 \pm \sqrt{64}}{-4}$

□ $x' = \frac{-36 + 8}{-4} \quad x'' = \frac{-36 - 8}{-4}$

□ $x' = \frac{28}{-4} \quad x'' = \frac{44}{-4}$

□ $x' = -7 \quad x'' = -11$