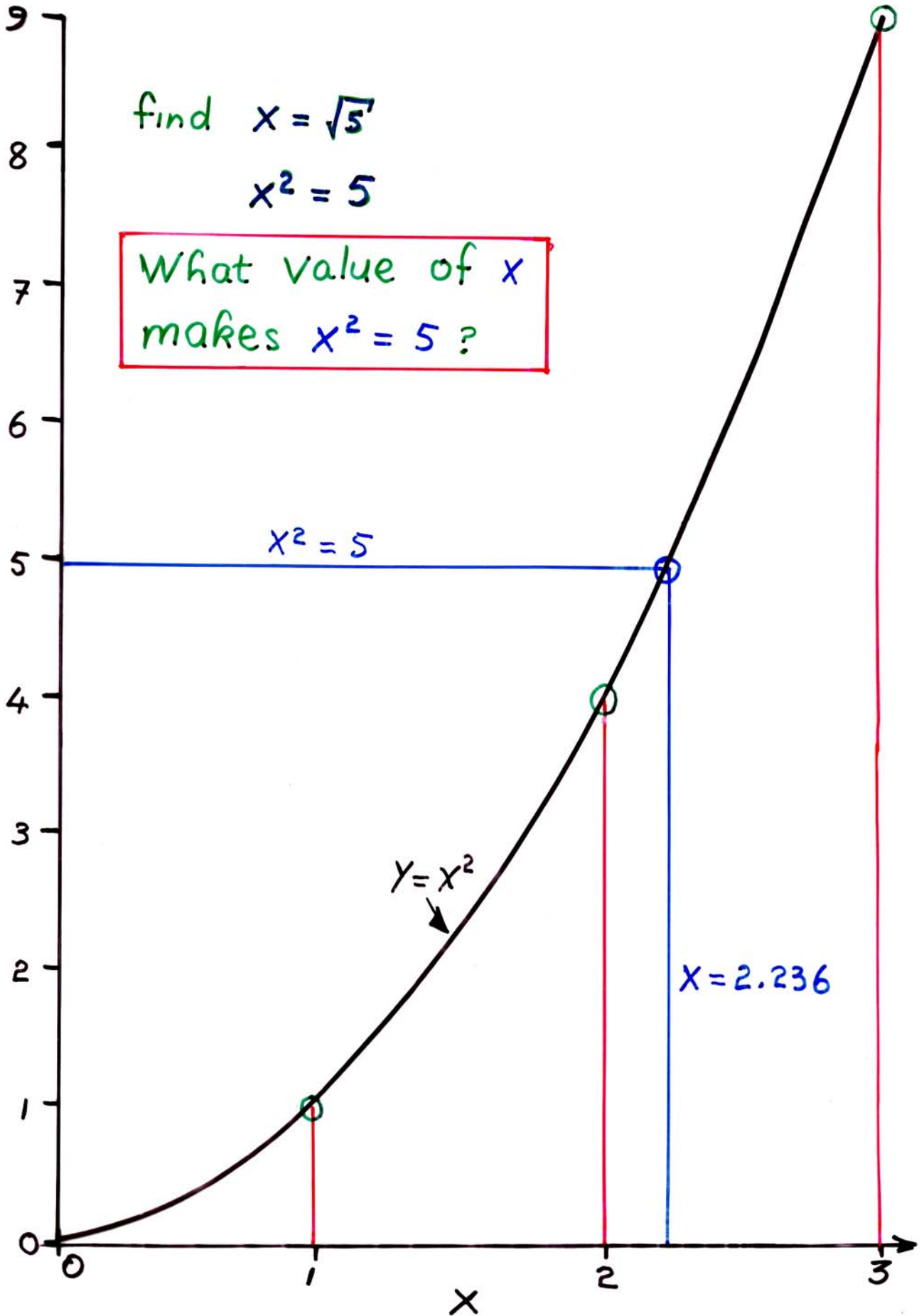


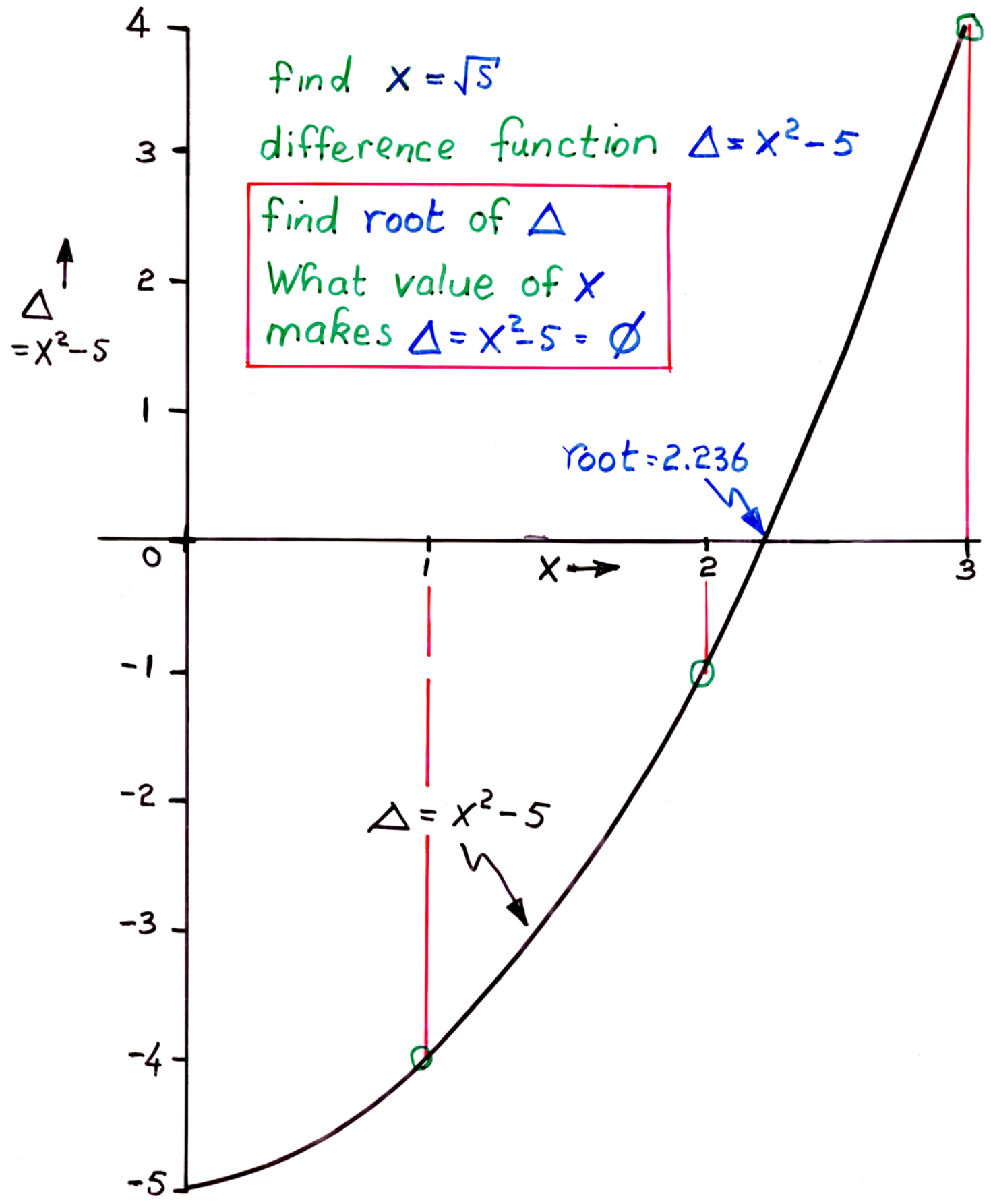
find $x = \sqrt{5}$

$$x^2 = 5$$

What value of x
makes $x^2 = 5$?

\uparrow
 $y = x^2$





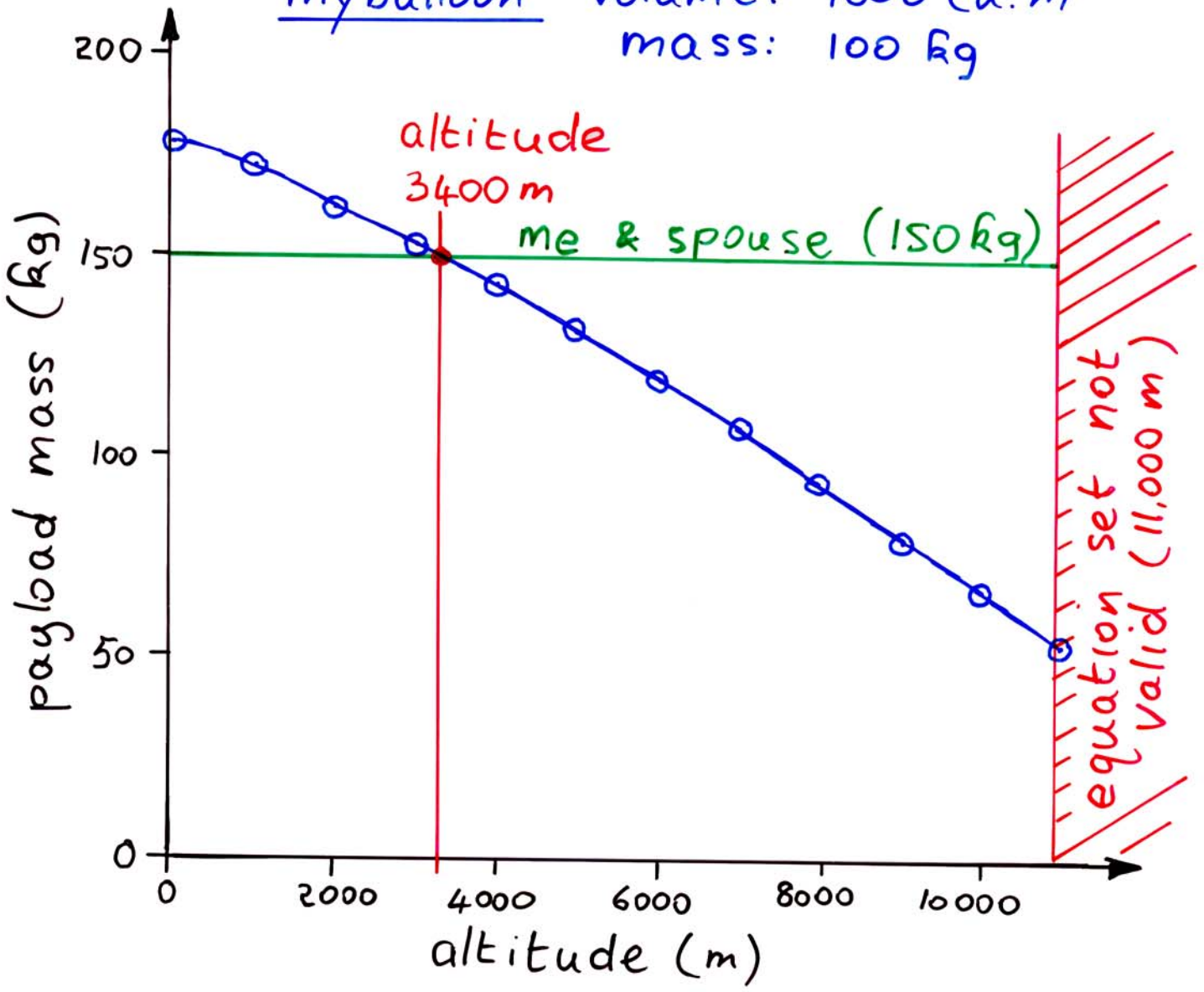
find $x = \sqrt{5}$
difference function $\Delta = x^2 - 5$

find root of Δ
What value of x
makes $\Delta = x^2 - 5 = 0$

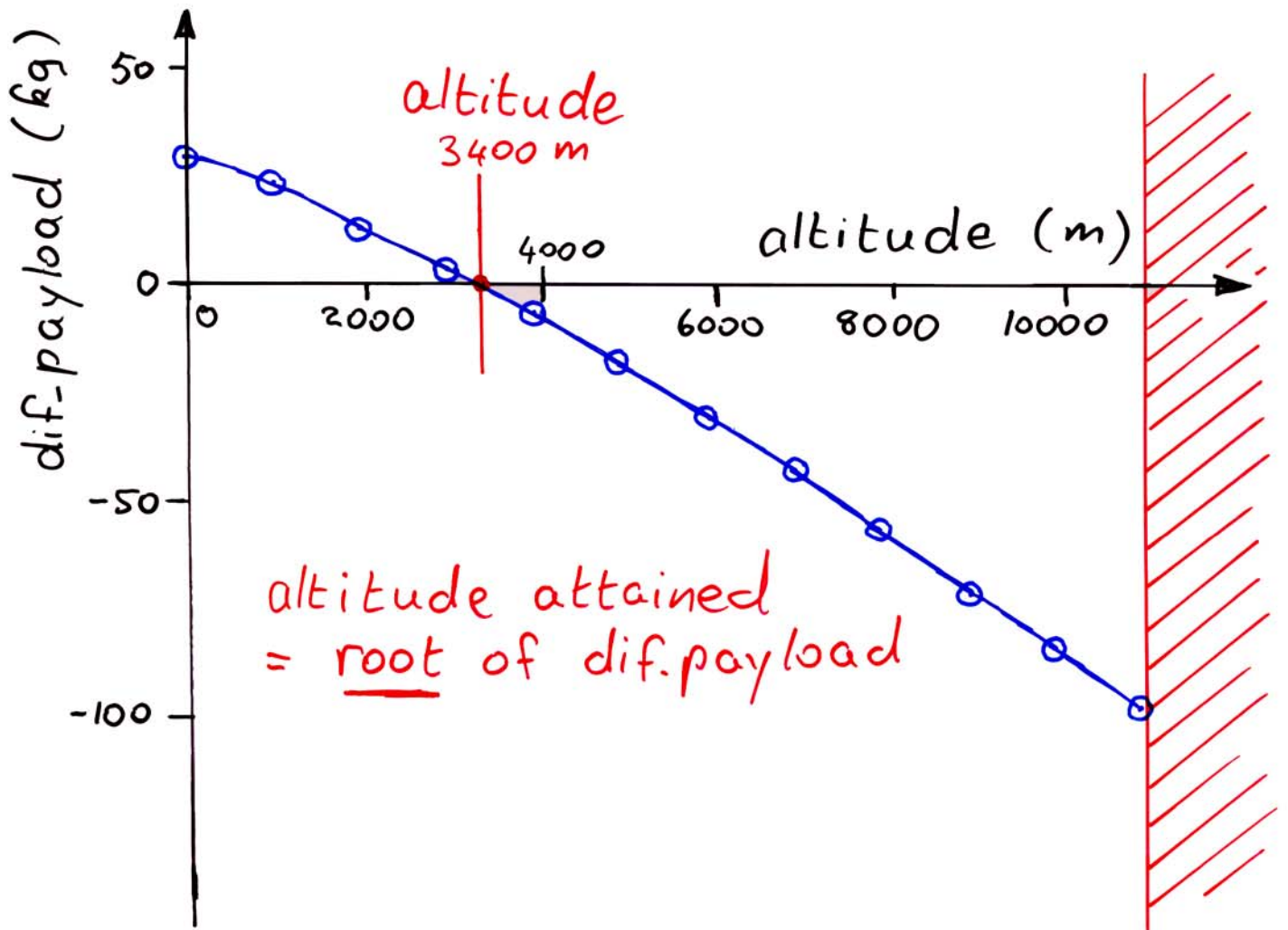
root = 2.236

$\Delta = x^2 - 5$

myballoon volume: 1000 cu.m
mass: 100 kg



payload = find_payload(altitude)



$$\text{dif_payload} = \text{find_payload}(\text{altitude}) - \text{req_payload}$$

$$\text{req_payload} = 150 \text{ kg}$$

(me & spouse)