1

$V = 60$

$d = 15$

$t = ?$

$t = \frac{60}{15} = 4$

2. $V = 300.000\ km/s$

$x = 150.000.000$

$V = \frac{x}{t} \rightarrow t = \frac{x}{v}$

$t = \frac{150.000.000\ km}{300.000\ km}$

$t = 500\ s \rightarrow min. = 8.33\ minutos$

3.

$a = \frac{50 - 35}{45 - 25} = \frac{15}{20} = 0,75\ m/s$

$b = \frac{50 - 50}{85 - 65} = \frac{0}{20} = 0$

$C = \frac{0 - 50}{110 - 85} = -5$

4 $= x_0 + v_0 + + \frac{1}{2} a t^2$

$x = \frac{1}{2} g t^2 = \frac{1}{2} (9,8)(4)^2$

$= 78,4 m$

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5 $V_F^2 = V_0^2 + 2a \cdot x$

$V_F^2 = 0^2 + 2 \times 9.8 \cdot 70$

$= 1372 \cdot \frac{1}{2} = 27.44$