1) $V = 60 m/s$

$D = 15m$

$t = \frac{60m/s}{15m} = 4m$

2) $3 \times 10^8 = 300.000.000$

$1.5 \times 10^8 = 150.000.000 km$

$3 \times 10^8 m/s \div (1h/1000) = 3 \times 10^5$

$1.5 \times 10^8 \div 3 \times 10^5 = 5 \times 10^{12} seg$

$\frac{5 \times 10^{12} s}{60} = 8.33 min$

Scribe

3) $V_1 = 25$ $t_1 = 05$

$V_2 = 50$ $t_2 = 45$

$= \frac{50-35}{45-0} = \frac{15}{45} = 0.23$

$V_1 = 50$ $t_1 = 65$

$V_2 = 50$ $t_2 = 85$

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

$V_1 = 50$ $t_1 = 85$

$V_2 = 0$ $t_2 = 110$

$= \frac{0-50}{110-85} = \frac{-50}{-25} = -2$

Scribe

4) $g = 9.8 m/s^2$

$t = 4s$

$= \frac{1}{2} \cdot g \cdot t^2 = \frac{1}{2} \cdot (9.8) \cdot (4)^2$

$= 78,4$

5)

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

$= 13 + 2 \div \frac{1}{2} = 27.86$