03/09/2021

Procedimientos Examen

1.

$d = v \cdot t$ $\quad t = d/v$

$15m$ $\quad 60m/s$ $\quad t = 60/15$

$t = 4m/s$

2.

$3 \times 10^8 = 300.000.000$

$1.5 \times 10^8 = 150.000.000 Km$

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

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

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

3.

$$A = \frac{50 - 35}{45 - 25} \qquad B = \frac{50 - 50}{65 - 85} \qquad C = \frac{25 - 110}{25 - 10}$$

$A = 0.75$ $\quad B = 0$ $\quad C = -5$

4.

$d = v \cdot t$

$d = 9.8 \cdot 4$

$d = 39.2$

5.

$V_F = 70^2 + 2 \cdot (9.8 m/1)$

$V_F = 4900 - 19.6$

$V_F = \sqrt{4900 - 19.6}$

$V_F = 50.4$