

①

KW	200	300
X\$	150	232.5

$$X = \frac{150 \cdot 300}{200} = 232.5$$

$$X = 32.5 \cdot 1.5 = 48.75$$

$$48.75 + 232.5 = 281.25$$

$$\underline{281.25}$$

②

2019

145 mil

Precio (Y)

Años (x)

2024

75 mil

Depreciación

$= \frac{145000 - 75000}{5}$

$Dp = \frac{70000}{5} = 14,000$

Ecuación

2019 - 2024

$Y = Y_0 - X \cdot 14,000$

(5)

$Y = 145,000 - 14,000x$

$Y = 145000 - 14,000(5)$

$Y = 145000 - 70000$

Año = 2034

$Y = 75000$

3

$$\text{Luís} = x \cdot 2$$

$$\text{Arturo} = x$$

$$x + 2x = 1350$$

$$2x + 3x = 1350$$

$$x = \frac{1350}{3}$$

$$x = 450 \rightarrow \text{Arturo}$$

$$(450)(2) = 900 \rightarrow \text{Luís}$$

(4)

$x = \text{Pantalones}$

$y = \text{Camisas}$

$$\textcircled{1} \quad 2x + 3y = 600$$

$$\textcircled{2} \quad 3x + y = 550$$

$$y = 550 - 3x$$

$$2x + 3(550 - 3x) = 600$$

$$2x + 1650 - 9x = 600$$

$$1650 - 7x = 600$$

$$-7x = -1050$$

$$x = -\frac{1050}{-7}$$

$$x = 150$$

$$3(150) + y = 550$$

$$450 + y = 550$$

$$y = 550 - 450$$

$$y = 100$$