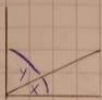


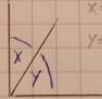
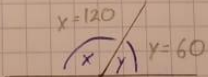
Nombre: Roberto Obregon

Curso: 2V-B

1.

$$\begin{aligned} 1) x + 30 &= y \\ 2) x + y &= 90 \end{aligned}$$

$$\begin{aligned} 1) x &= y - 30 \\ 2) y - 30 + y &= 90 \\ 2y &= 120 \\ y &= 60'' \end{aligned}$$
$$\begin{aligned} x &= 30'' \\ y &= 60'' \end{aligned}$$

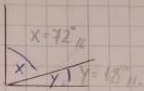
2.

$$\begin{aligned} 1) x - y &= 60 \\ 2) x + y &= 180 \end{aligned}$$

$$\begin{aligned} 1) x &= 60 + y \\ 2) 60 + y + y &= 180 \\ 2y &= 120 \\ y &= 60'' \end{aligned}$$
$$\begin{aligned} x + 60 &= 180 \\ x &= 120'' \end{aligned}$$


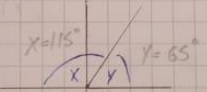
Complemento de  $y$

$$\begin{aligned} x &= 90 - 60 \\ x &= 30'' \end{aligned}$$

1.

$$\begin{aligned} 1) x + y &= 90 \\ 2) x &= 3(y) + 18 \end{aligned}$$

$$\begin{aligned} 1) 3(y) + 18 + y &= 90 \\ 2) 3y + y &= 72 \\ y &= 18'' \end{aligned}$$
$$\begin{aligned} 1) x + 18 &= 90 \\ x &= 72'' \end{aligned}$$

2.

$$\begin{aligned} 1) x + y &= 110 \\ 2) x + 20 &= 3(y - 20) \end{aligned}$$

$$\begin{aligned} 1) x &= 110 - y \\ 2) 110 - y + 20 &= 3y - 60 \\ 4y &= 260 \\ y &= 65'' \end{aligned}$$
$$\begin{aligned} 1) x &= 110 - 65 \\ x &= 45'' \end{aligned}$$

5.

$$x + y = 170$$

$$x + 15 = 4(y - 15)$$

$$1) x = 170 - y$$

$$2) 170 - y + 15 = 4(y - 15)$$

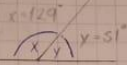
$$195 - y = 4y - 60$$

$$5y = 255$$

$$y = 51_{\text{н}}$$

$$1) x = 170 - 51$$

$$x = 119_{\text{н}}$$



6.

$$1) x + y = 170$$

$$2) x - y = 3(90 - x)$$

$$1) x = 180 - y$$

$$2) 180 - y - y = 3(90 - 180 + y)$$

$$180 - 2y = -270 + 3y$$

$$5y = 450$$

$$y = 90_{\text{н}}$$

$$1) x = 180 - 90$$

$$x = 90_{\text{н}}$$

$$1) x + y = 180$$

$$2) x = \frac{3}{5}y$$

$$2) 5\left(\frac{3}{5}y\right) + 5(y) = 5(180)$$

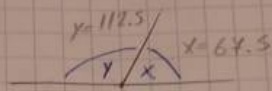
$$3y + 5y = 900$$

$$8y = 900$$

$$y = 112.5$$

$$1) x = 180 - 112.5$$

$$x = 67.5$$



P.

$$1) x + y = 90$$

$$2) \frac{4}{3}x + \frac{y}{6} = 90$$

$$1) y = 90 - x$$

$$2) \frac{4}{3}x + \frac{90 - x}{6} = 90$$

$$\frac{8x + 90 - x}{6} = 90$$

$$6(7x + 90) = 6(90)$$

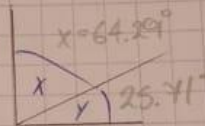
$$7x + 90 = 540$$

$$7x = 450$$

$$x = 64.29$$

$$1) y = 90 - 64.29$$

$$y = 25.71$$



$$1) x + y = 180$$

$$2) x = y$$

$$1) x = 180 - y$$

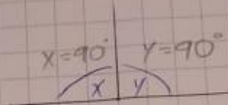
$$2) 180 - y = y$$

$$2y = 180$$

$$y = 90$$

$$1) x = 180 - 90$$

$$x = 90$$



10.

$$1) x + y = 180$$

$$2) \frac{4}{7}x - \frac{y}{4} = y + 30$$

$$1) y = 180 - x$$

$$2) \frac{4}{7}x - \frac{(180 - x)}{4} = 180 - x + 30$$

$$\frac{16x - (1260 - 7x)}{28} = 210 - x$$

$$\frac{28(23x - 1260)}{28} = 5180 - 28x$$

$$51x = 7140$$

$$x = 140$$

$$1) y = 180 - 140$$

$$y = 40$$

