

Asimuth / orientation

- angle from true North
to direction from
- sight : angle horizontal
from true North to direction

Height / station total

relation,

$$\theta_{SM} + G_{SM} \text{ is known}$$

$$\rightarrow G_{SM} = G_M + \text{cur of}$$

Ex 3.3

$$G_s = G_w - G_{sf}$$

And $\Delta P_{af} \Delta h_s$

$$S' (680375, 44)$$

$$D_{sp} = 45, 13$$

Let G_{sp} is 172, 612 g

$$G_{sp} \rightarrow \text{Add } G_g \times \frac{W}{g_w}$$

$$X_p = X_s + D_{sp} \cdot G_{sp} \theta$$

$$G_D = X_s + D_{sp} \cdot S_i(10)$$

$$\begin{array}{l}
 \Delta x \approx \Delta t \\
 \Delta x \approx \Delta t \rightarrow R_H
 \end{array}$$

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Ex 2

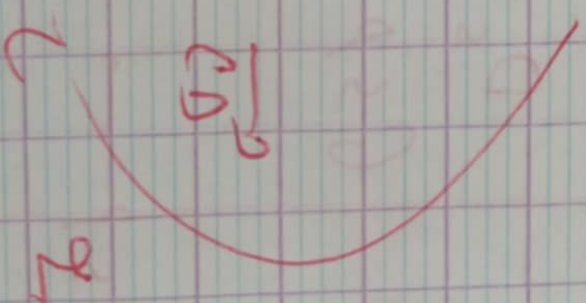
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STP & SI Using Trigonometry

$$\theta = \arctan \left(\frac{y_2 - y_1}{x_2 - x_1} \right)$$

$(x_1, y_1) \rightarrow 10 \text{ ft}$

$$\overrightarrow{AD} = \overrightarrow{AC} + \overrightarrow{AD} + \overrightarrow{BD} + \overrightarrow{CD}$$



3

$$6 \times 60 = 360$$

(2)

Si

$\cos \rightarrow (\alpha)$

Si \rightarrow Propriété du MVT (α)

Car Propriété du MVT $\Rightarrow D_{SP}$

\rightarrow direction P_n G_P

$$D_X \approx D_{SP} \cdot \cos(\alpha)$$

$$y \approx D_{SP} \cdot \sin(\alpha)$$

$$X_P \approx X_S + D_X \approx X_S + D_{SP} \cdot \cos(\alpha)$$

$$Y_P \approx Y_S + D_Y \approx D_{SP} \cdot \sin(\alpha)$$

wood

$$\Delta x = x_2 - x_1$$

$$\Delta y = y_2 - y_1$$

19 → 0.948

$$\frac{\text{appose!}}{\text{adverse}}$$

Ex 11

$$G_{AB} = 100 + d = T_0 \left(\frac{\Delta x}{\Delta y} \right)$$

$$d = T_0^{-1} \left(\frac{\Delta x}{\Delta y} \right) = \frac{x_2 - x_1}{y_2 - y_1}$$

$$A(x_1, y_1) \quad B(x_2, y_2)$$

$$\rightarrow T_0 = 90^\circ \quad 45^\circ + 90^\circ$$

$$\rightarrow A \cdot A$$

$$= \text{quad}$$

$$\frac{60 - 10}{10 - 10} = \frac{50}{0} > 0$$

$$\frac{10 - 10}{10 - 10} = \frac{0}{0} < 0$$