Umuzenguruko

Umuzenguruko w'ikinyampande ungana n'igiteranyo cy'uburebure bw'impande zacyo.

Umuzenguruko w'Uruziga

$C = \pi d$ cyangwa $C = 2\pi r$ $\pi \approx 3.14$

Ubuso

Mpandeshatu $\qquad A = \dfrac{1}{2} bh$

Urukiramende $\qquad A = bh$ cyangwa $A = lw$

Uruziga $\qquad A = \pi r^2$

Impande z'Ubuso

Imbumbe y'Ubuso ku kintu bufite ibice 2 niyo y'ikintu gifite ibice 3.

Ingano

Purisime y'Urukiramende Ndinganire

$V = lwh$ cyangwa $V = Bh$

Purisime Ndinganire $\qquad V = Bh$

Umwiburungushure $\qquad V = \pi r^2 h$

Umutemeri $\qquad V = \dfrac{1}{3} \pi r^2 h$

Umubumbe $\qquad V = \dfrac{4}{3} \pi r^3$

Umutemeri nyamigongo $\qquad V = \dfrac{1}{3} Bh$

Ihinanzira ry'Agacuri
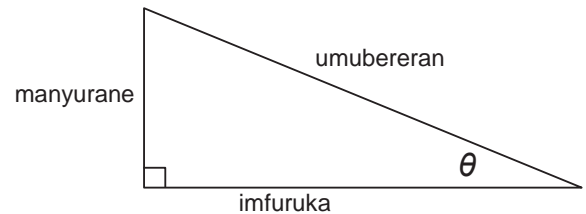
$m = \dfrac{y_2 - y_1}{x_2 - x_1}$

Ihurizo Rifufitse

$y = mx + b$

Ihame rya Pitagore

$a^2 + b^2 = c^2$

Igisobanuro cy'Amahurizo ya Tirigonometiri

Aho $0° < \theta < 90°$,

$\sin \theta = \dfrac{\text{manyurane}}{\text{umubereranguni}}$

$\cos \theta = \dfrac{\text{imfuruka}}{\text{umubereranguni}}$

$\tan \theta = \dfrac{\text{manyurane}}{\text{imfuruka}}$

Impuzandengo

$\bar{x} = \dfrac{x_1 + x_2 + x_3 + ... + x_n}{n}$

Igipimo cy'Ubutanabice

$IQR = Q_3 - Q_1$

Itandukaniro hagati y'ikinganabice cya gatatu n'ikinganabice cya mbere mu mbumbe y'amakuru.

Ubutanampande Fatizo

$$\sigma = \sqrt{\dfrac{\left(x_1 - \bar{x}\right)^2 + \left(x_2 - \bar{x}\right)^2 + ... + \left(x_n - \bar{x}\right)^2}{n}}$$