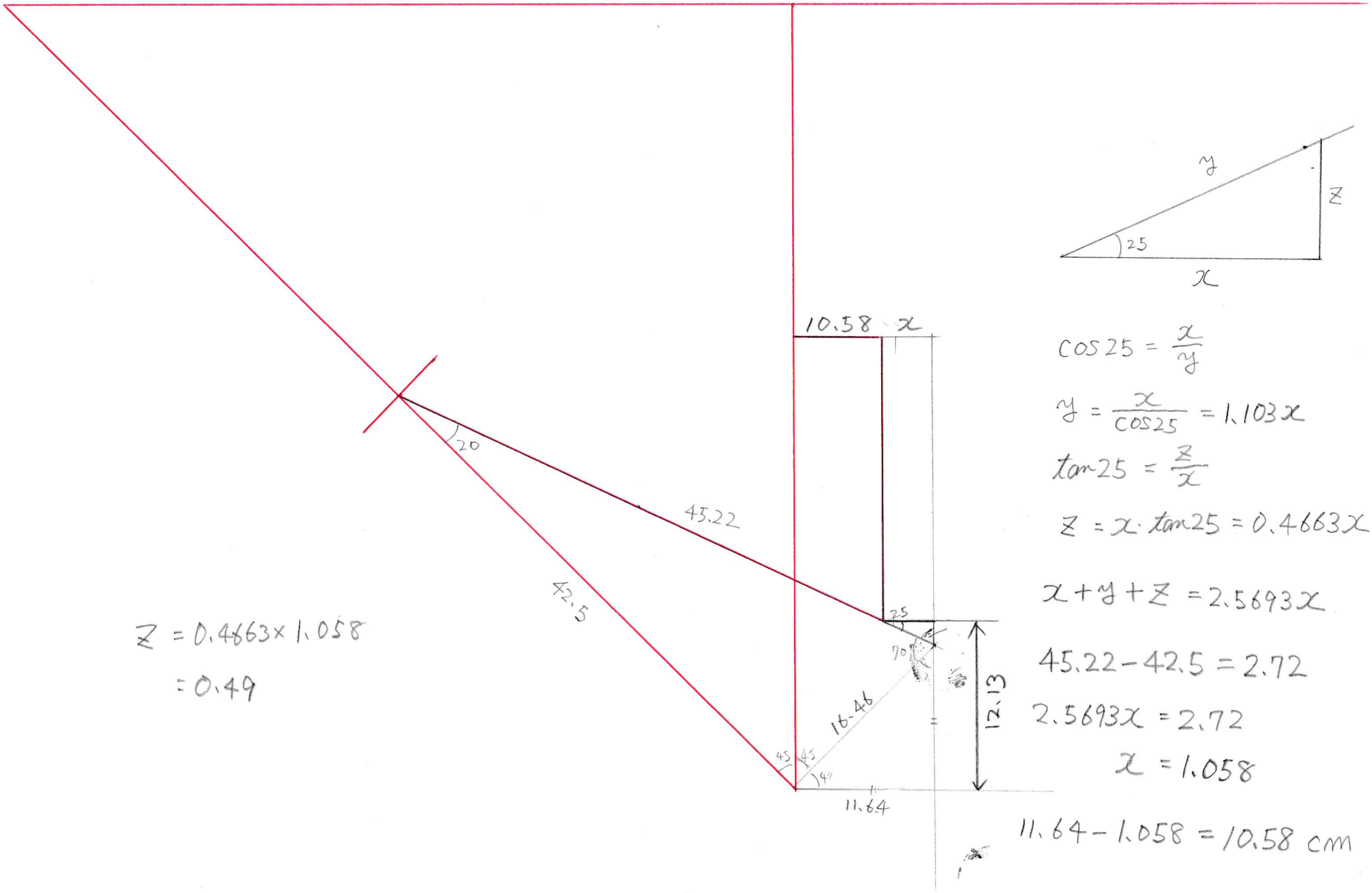

$\cos 25 = \frac{x}{y}$

$y = \frac{x}{\cos 25} = 1.103x$

$\tan 25 = \frac{z}{x}$

$z = x \cdot \tan 25 = 0.4663x$

$x + y + z = 2.5693x$

$45.22 - 42.5 = 2.72$

$2.5693x = 2.72$

$x = 1.058$

$11.64 - 1.058 = 10.58$ cm

$z = 0.4663 \times 1.058$

$= 0.49$