

# MATEMÁTICA

## TEMA DO TRABALHO: TEOREMA DE TALES

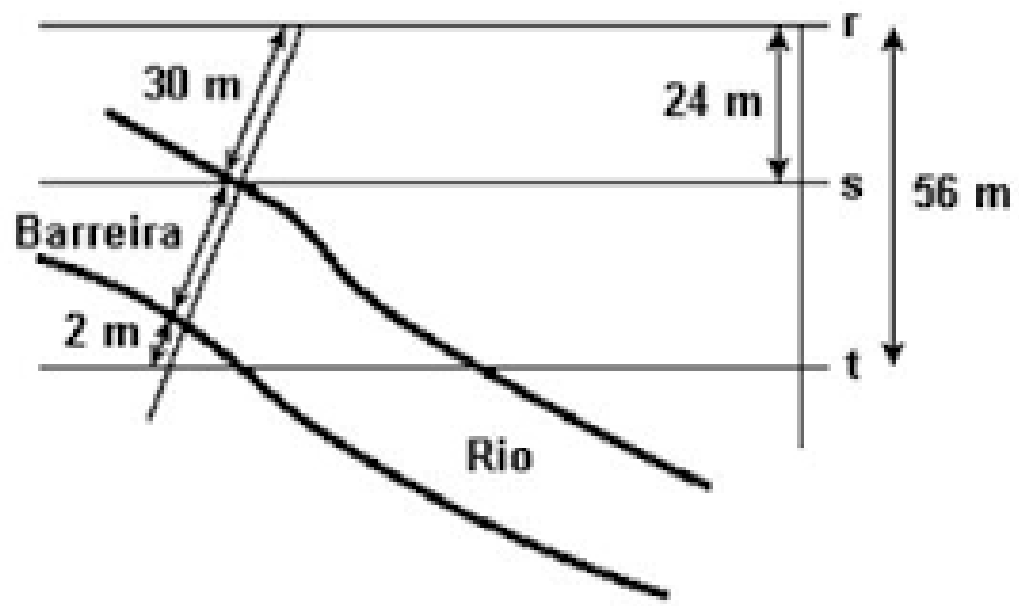
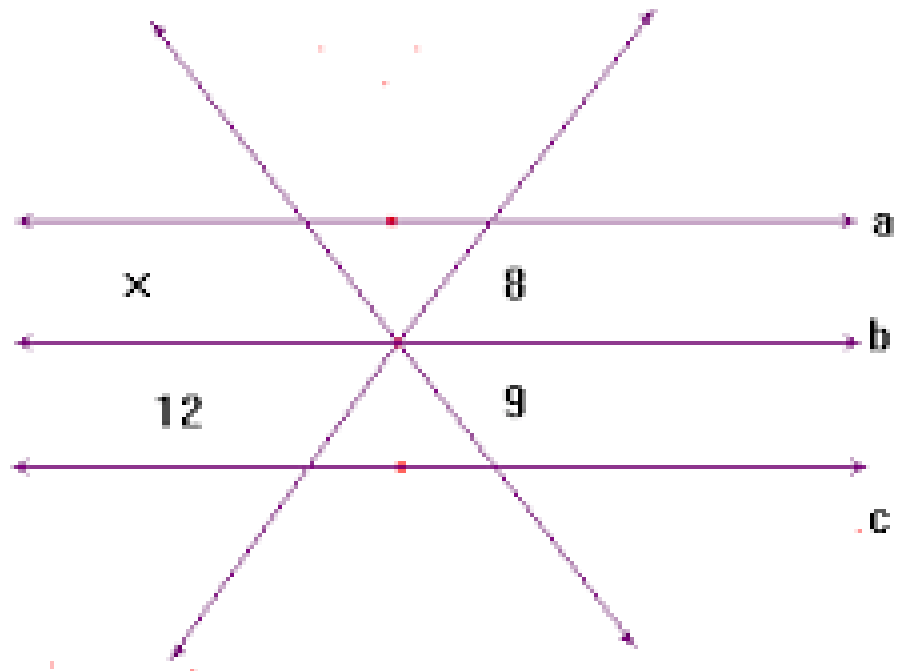
CIAC RAYMUNDO ANDRADE

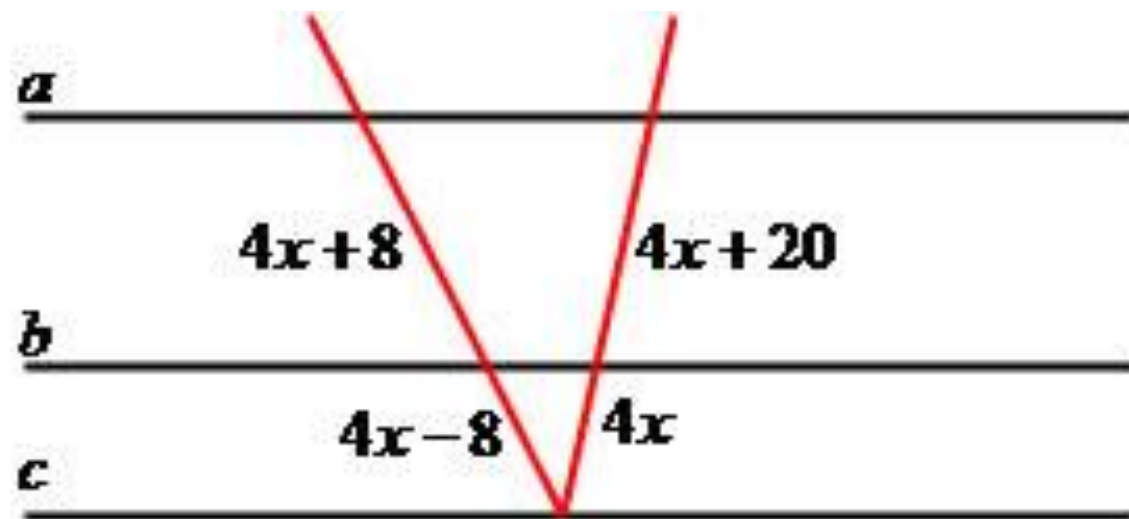
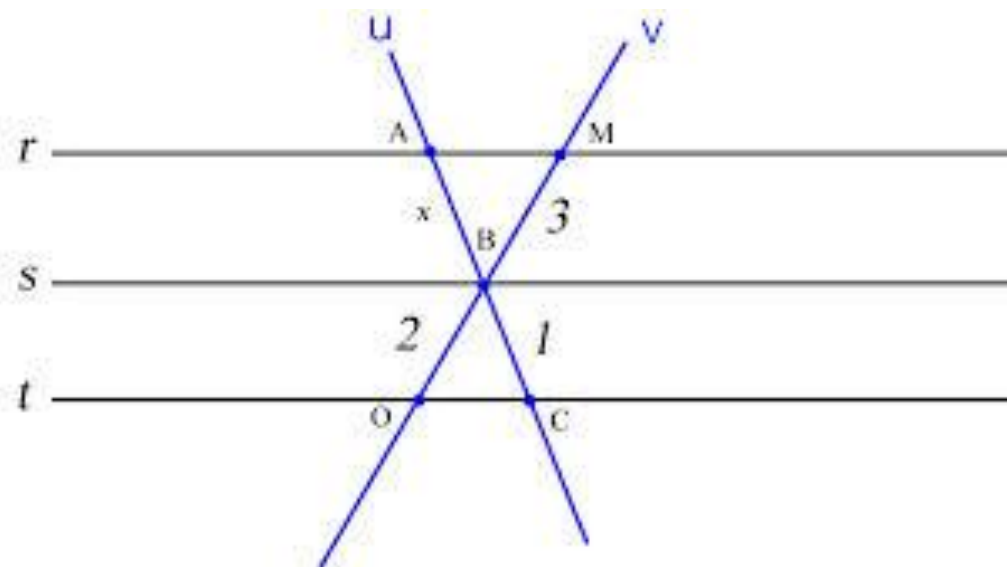
ANDRÉ BALARINI

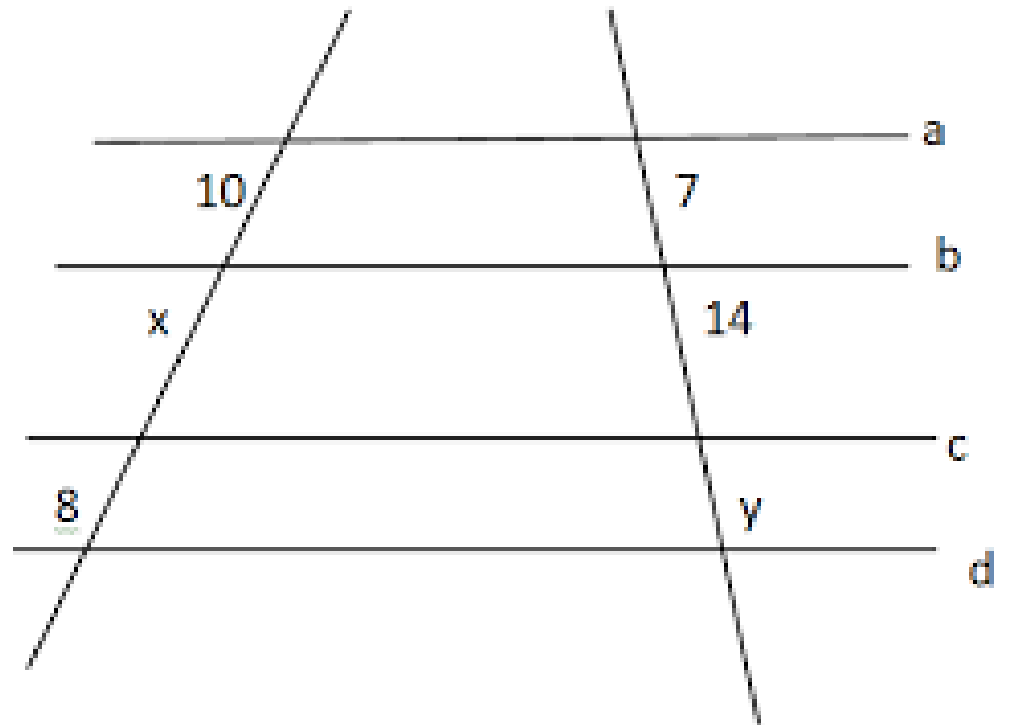
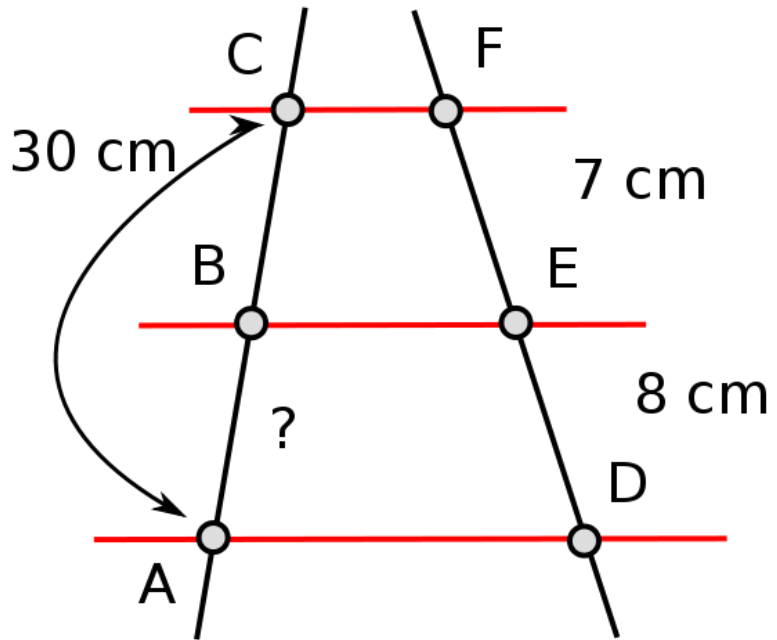
GUILHERME COELHO

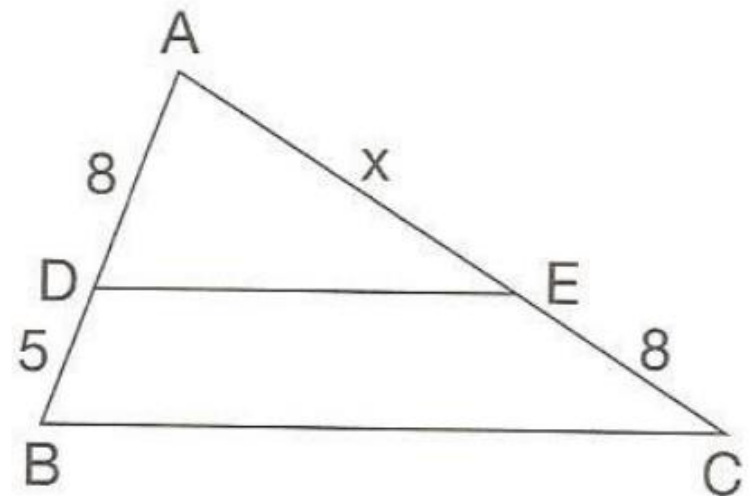
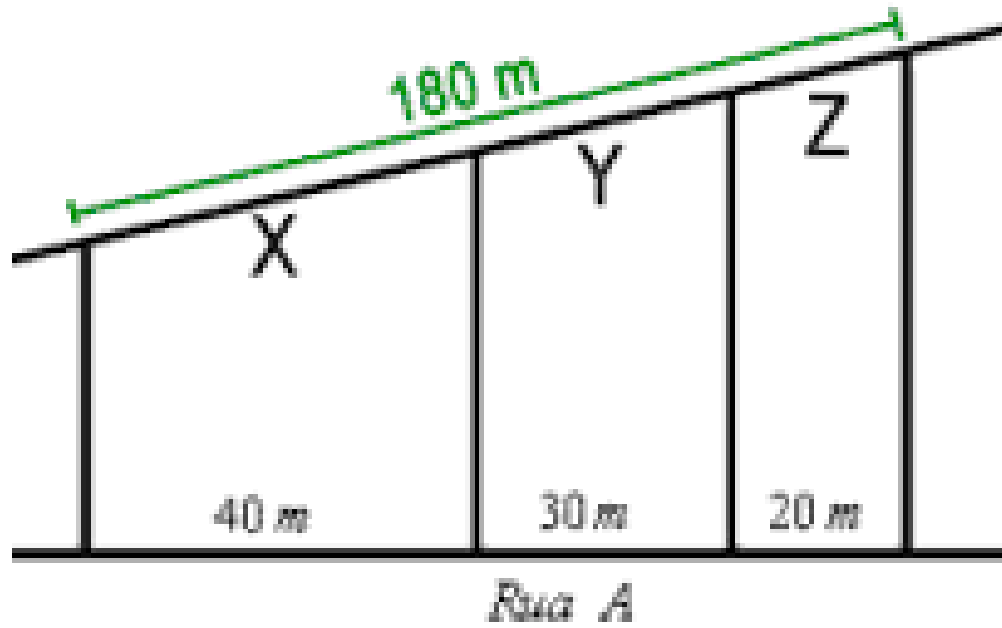
9ºC

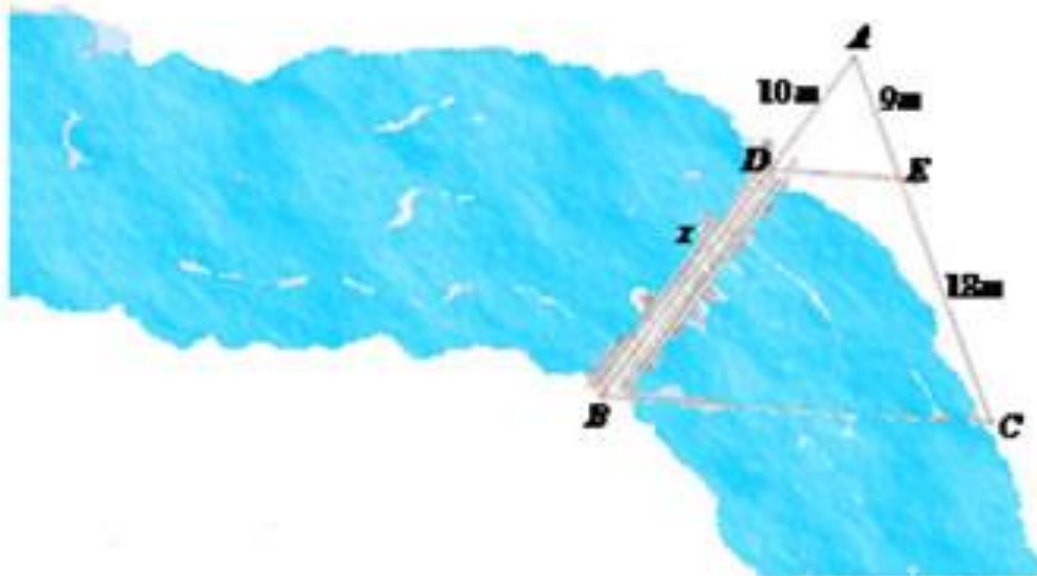
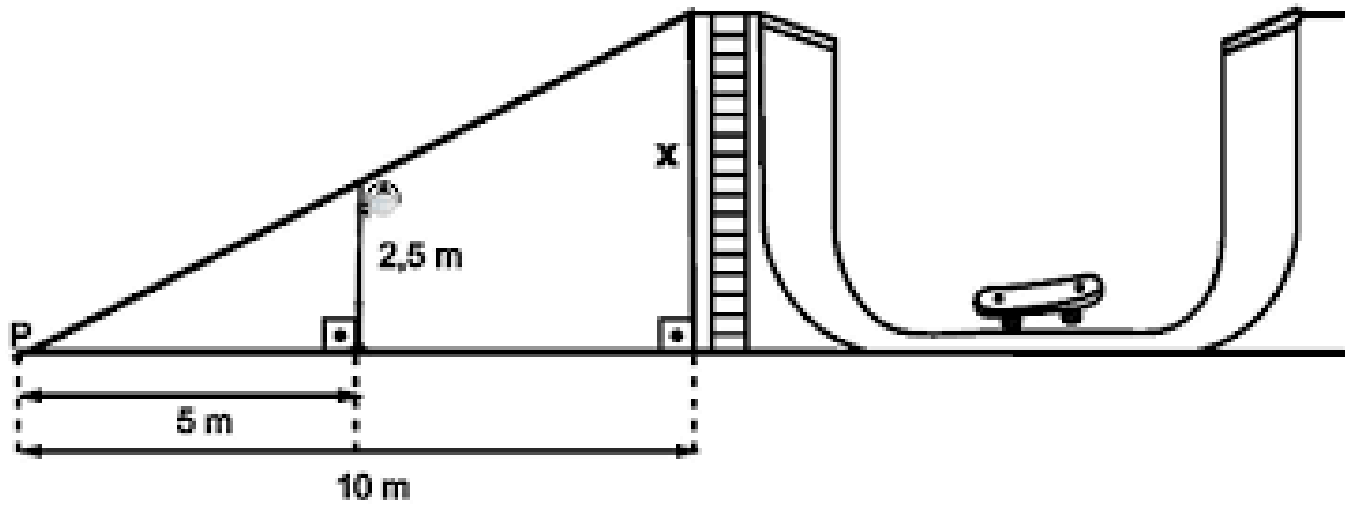
Nós escolhemos essa matéria pois o Teorema de Tales possui inúmeras aplicações nas diversas situações envolvendo cálculo de distâncias inacessíveis, possui grande aplicabilidade nas questões relacionadas à astronomia e calcula igualdades.





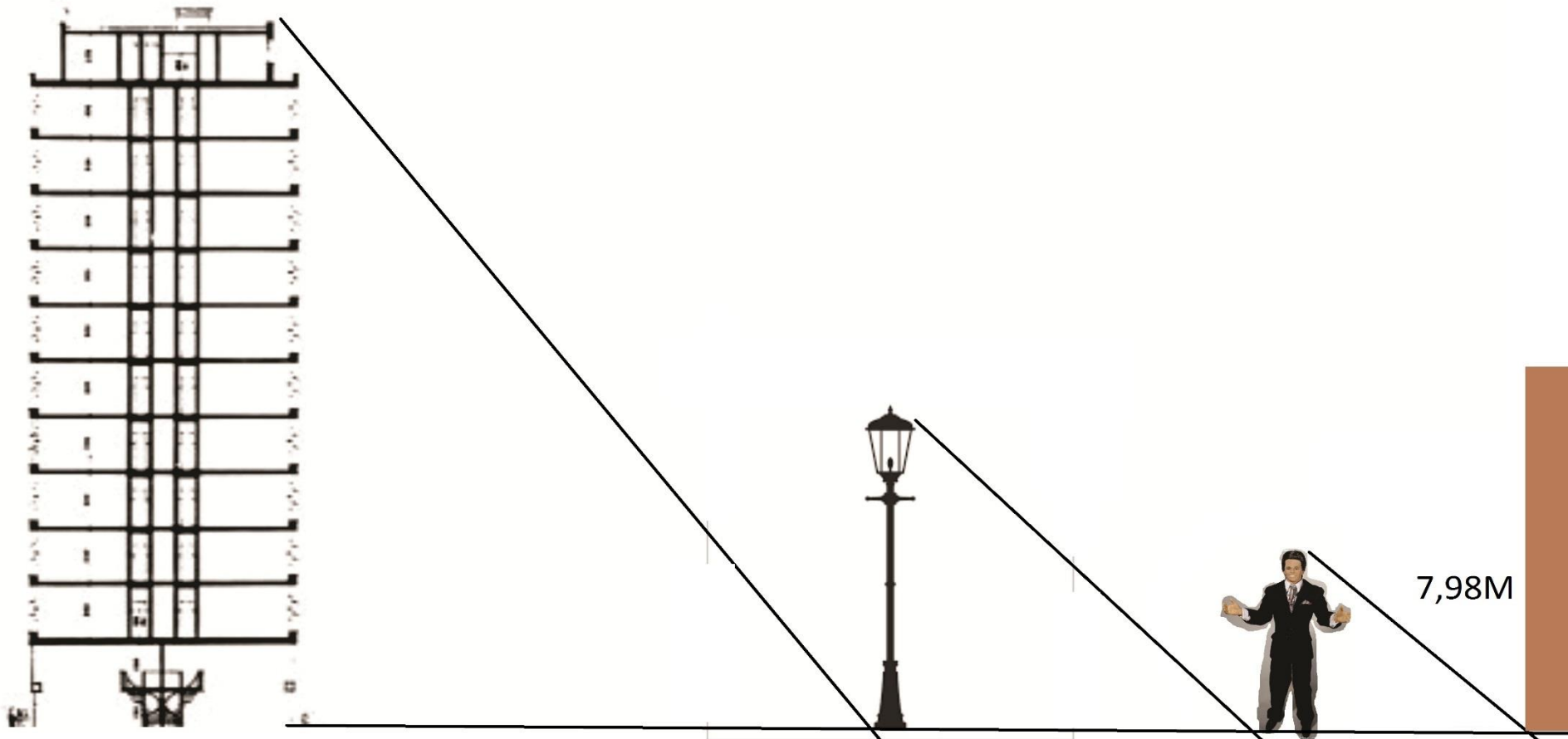






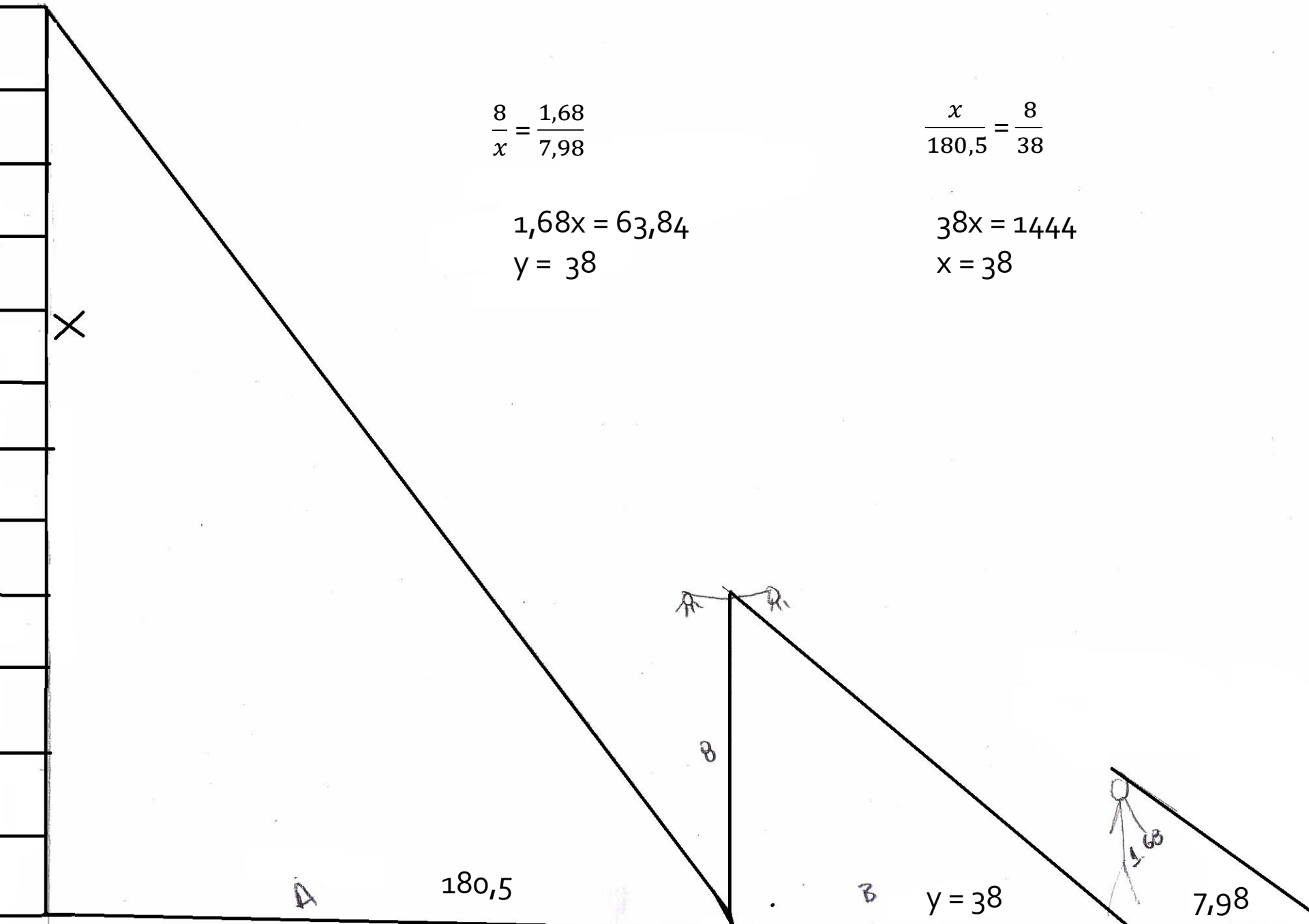
# Exercício

Se tenho 1,68 m de altura e minha sombra às 16 horas é de 7,98m, e a altura padrão dos postes da minha cidade são de 8m e observando que o comprimento total do terreno é de 226,48m. Qual é a altura do prédio ?





# Resolução.



$$\frac{8}{x} = \frac{1,68}{7,98}$$

$$1,68x = 63,84$$
$$x = 38$$

$$\frac{x}{180,5} = \frac{8}{38}$$

$$38x = 1444$$
$$x = 38$$