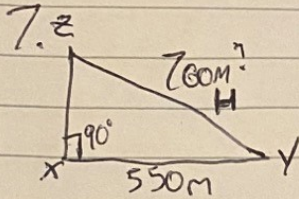


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$$i) 180 - 90 - 38.21 = 51.79^\circ$$

$$\tan 51.79 = \frac{550}{ZX}$$
$$ZX = \frac{550}{\tan 51.79}$$

$$ii) \cos \theta = \frac{550}{700}$$

$$\cos \theta = 0.7857$$

$$\theta = \cos^{-1} 0.7857$$

$$\theta = 38.21^\circ$$

$$ZX = \frac{550}{1.2703}$$

$$ZX = \boxed{432.96m}$$