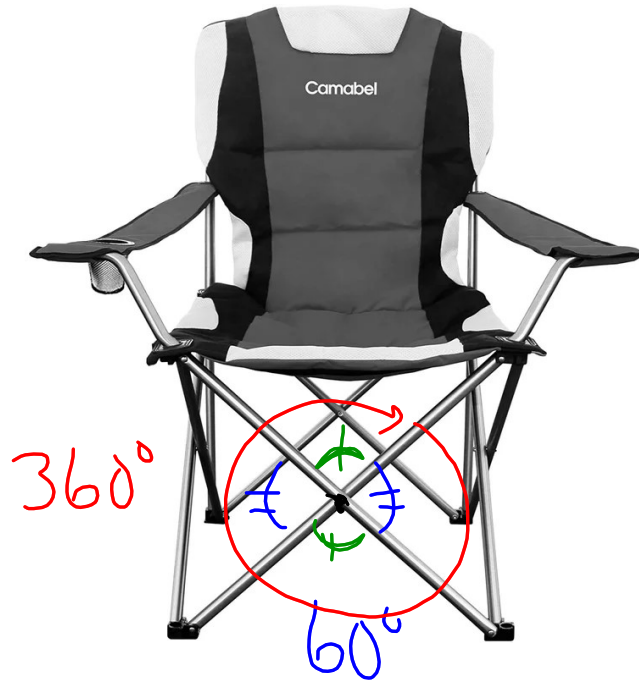


Friday Work Class

- let's try and finish this today.

Q11 Clue.

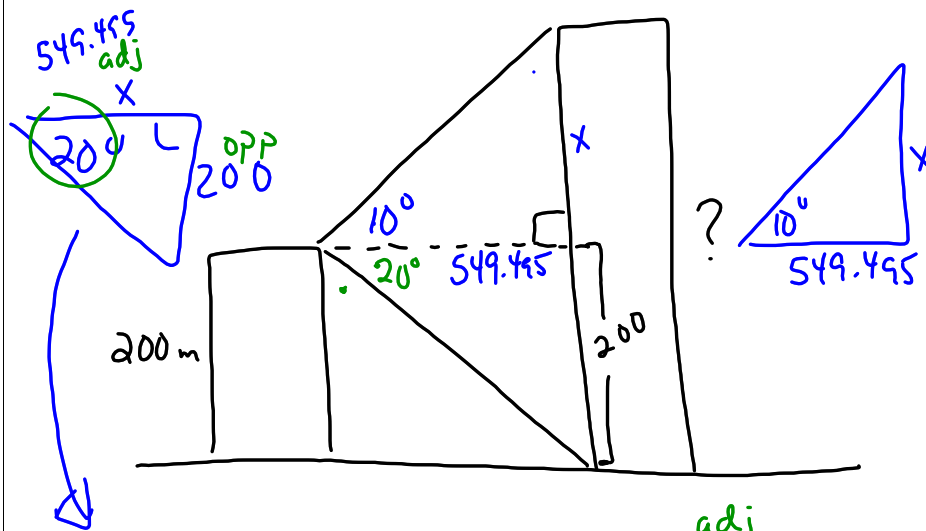
picture this:



$$\begin{array}{r} \cancel{63.4} \\ \cancel{?} \quad \cancel{?} \\ \cancel{63.4} \end{array}$$

$$\begin{array}{r} 360 \\ - 63.4 \\ - 63.4 \\ \hline \end{array}$$

Q12 Drawing the problem



$$\textcircled{1} \tan 20 = \frac{200}{x} \quad x = \underline{\underline{549.495}} \text{ adj}$$

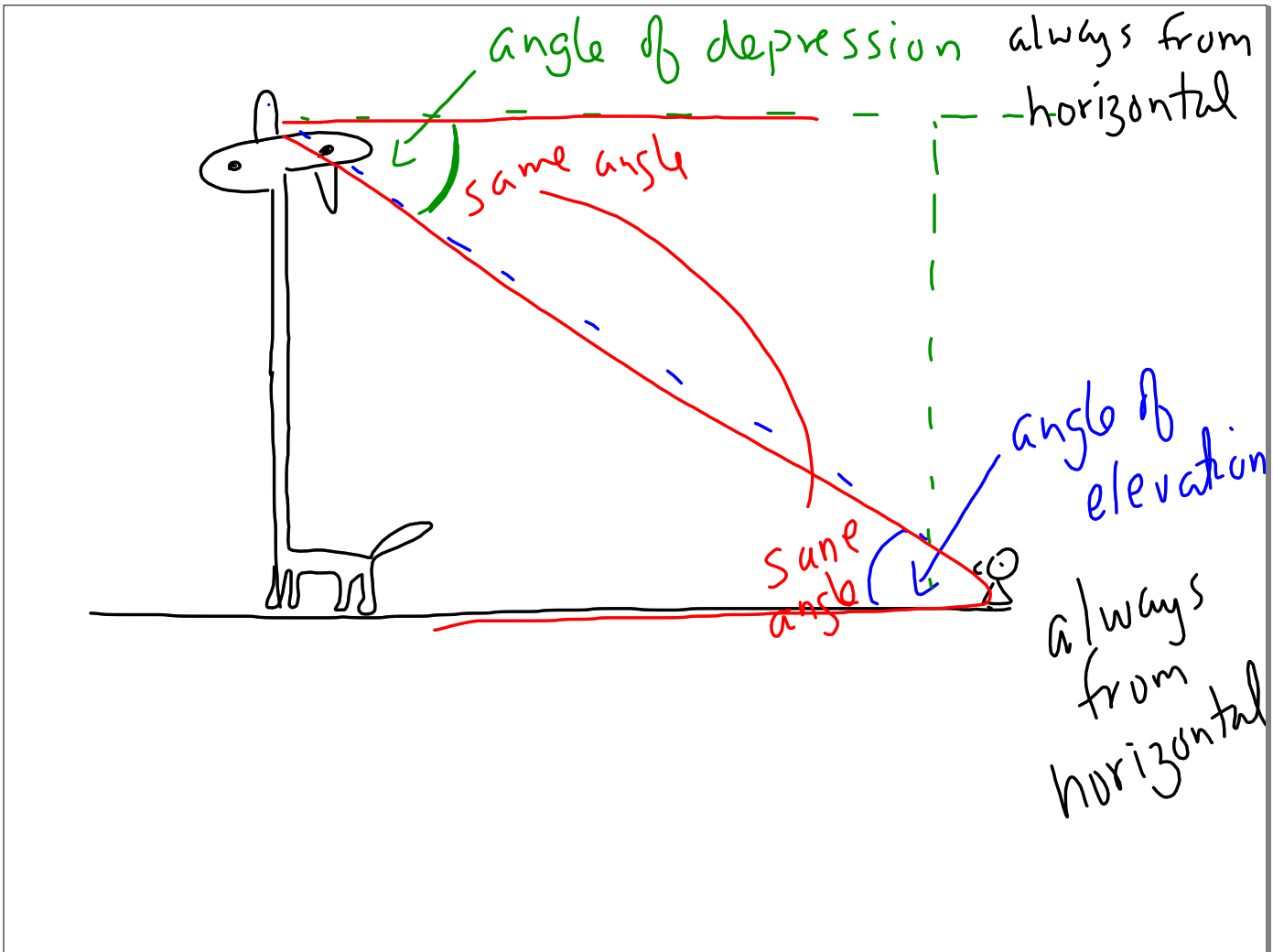
a) 549.495 m tall \times

b) $549.495 + 200 = 749.495$ m

c) an intermediate step tall \times
label and go!

- gets you a missing side for

2nd triangle

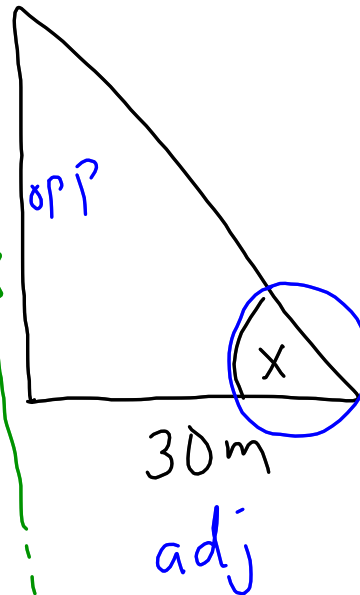


Q2

Solve
First
↓

$$\sin 40 = \frac{\text{opp}}{50}$$

$$\text{opp} = \underline{\underline{32.14 \text{ m}}}$$

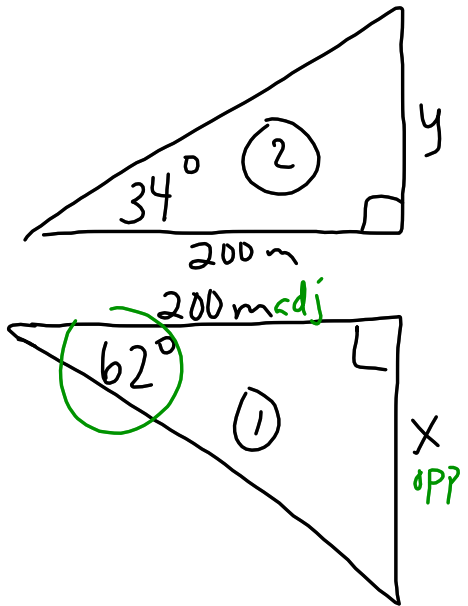
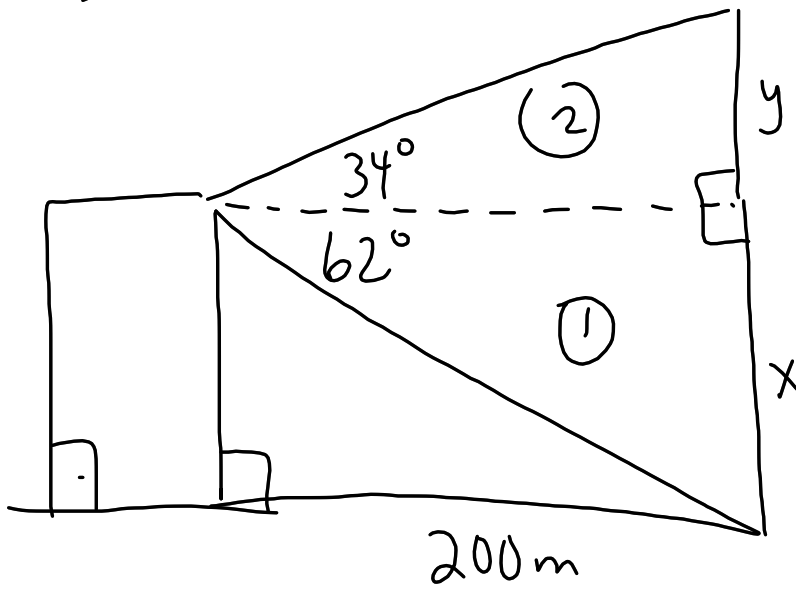
Solve
after finding a side

$$\theta = \tan^{-1} \left(\frac{32.14}{30} \right)$$

$$\theta = 46.97$$

$$\theta = \underline{\underline{47^\circ}}$$

Q8



$$\tan 62 = \frac{x}{200}$$