Work class to get more practice with our trig questions.

What have you learned so far?

- more than one triangle in a question.

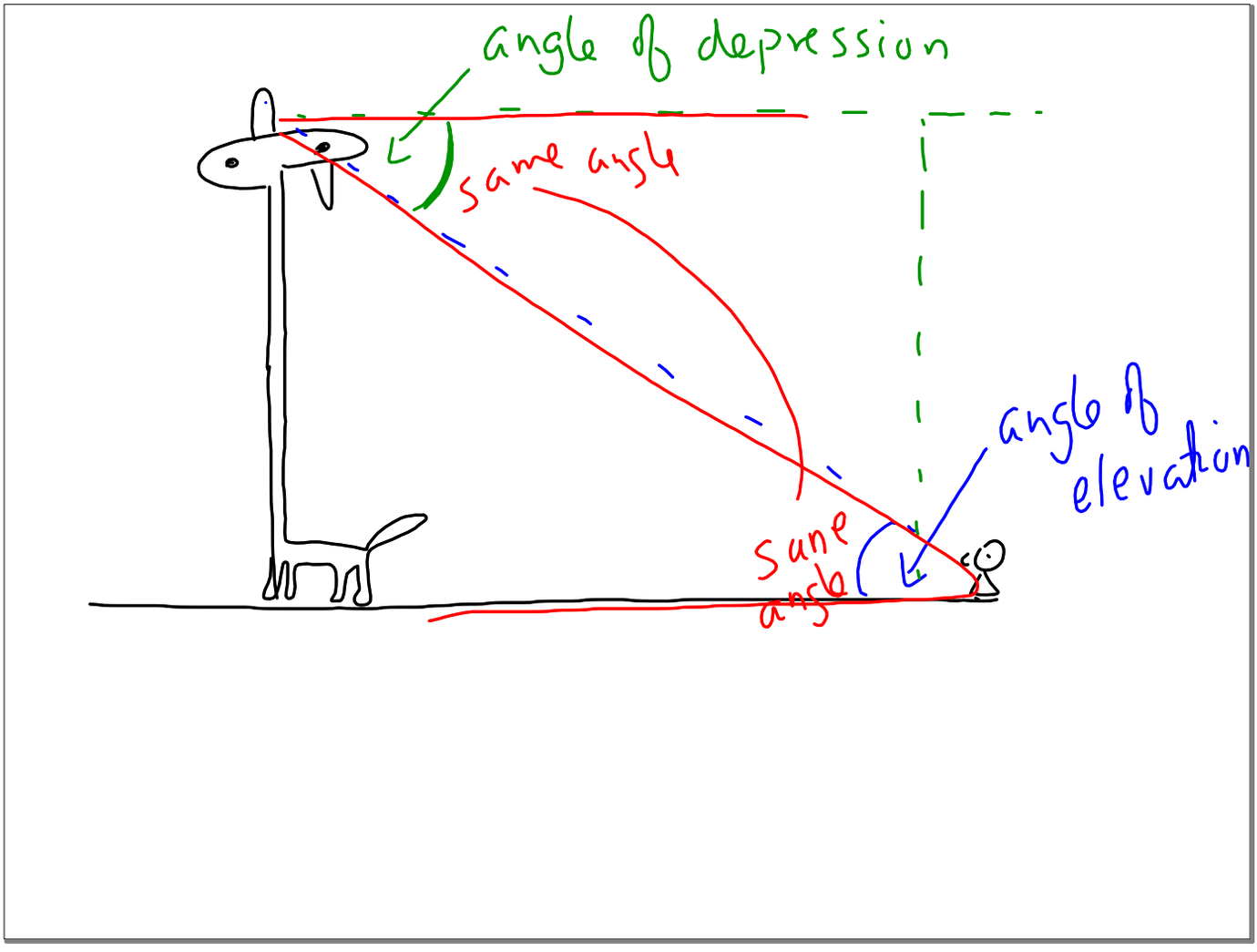
- solve one triangle first to share a side with the next one.

- horizon is straight across

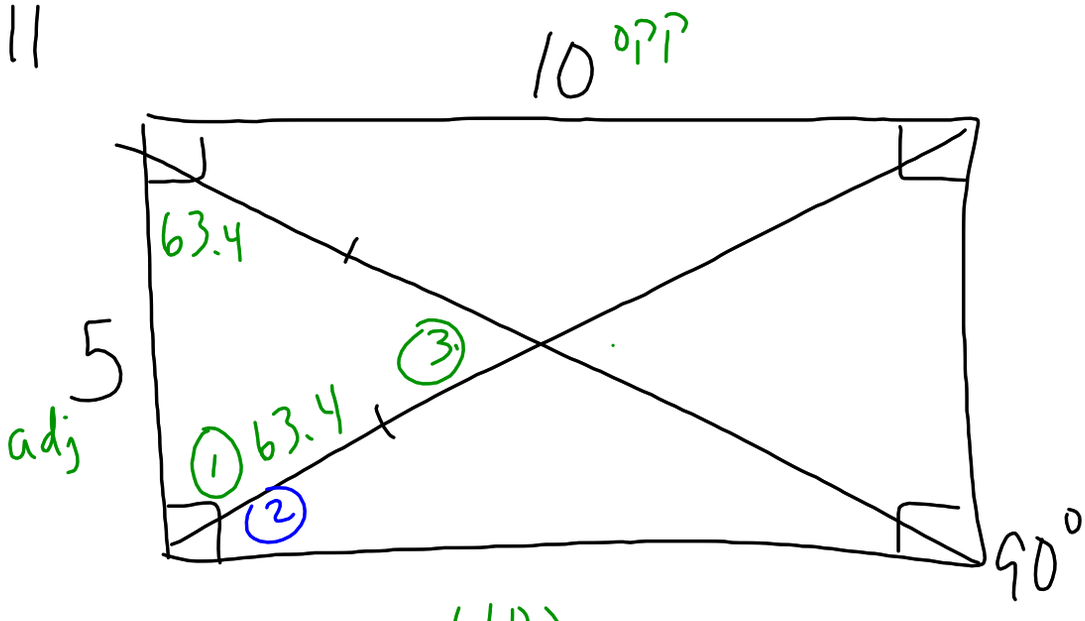
- a question can be made into right triangles and that angle of elevation and angle of depression is the SAME angle.

- z-rule in red shows the connection between the two angles.

typical trig questions are buildings, lighthouses, ramps, and you can predict these.


angle of depression
same angle
angle of elevation
same angle

Q11



$\text{angle}① = \tan^{-1}\left(\frac{10}{5}\right) = 63.4^\circ$

$\text{angle}② = 90^\circ - 63.4^\circ = 26.6^\circ$

$\text{angle}③ = 180 - 63.4 - 63.4 = 53.2^\circ$