

In two sentences on a paper, describe what you learned yesterday in this class.

• $a^2 + b^2 = c^2$

• **tan** quiz
 → button
 tangerine

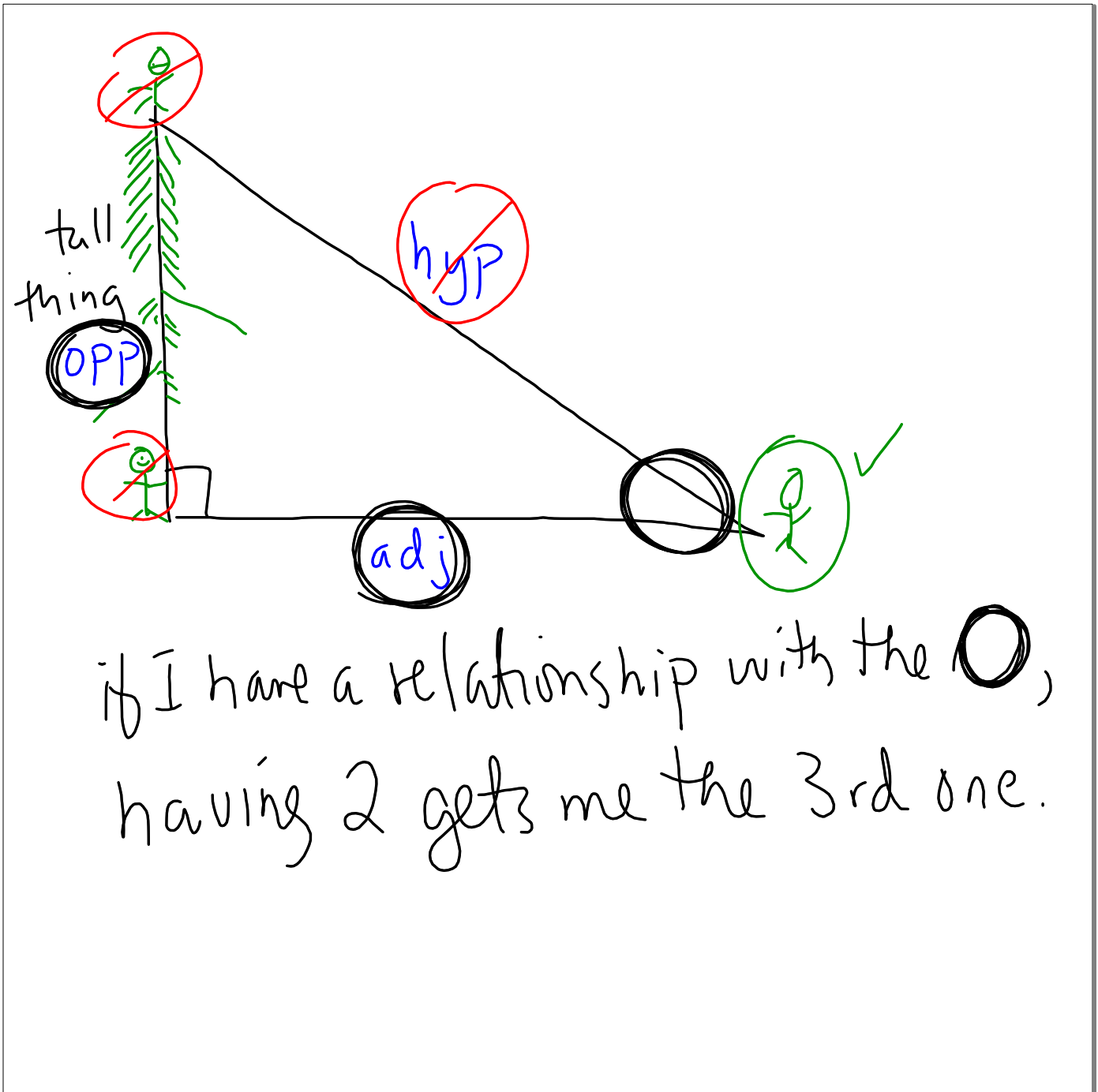
"tangent of an angle"

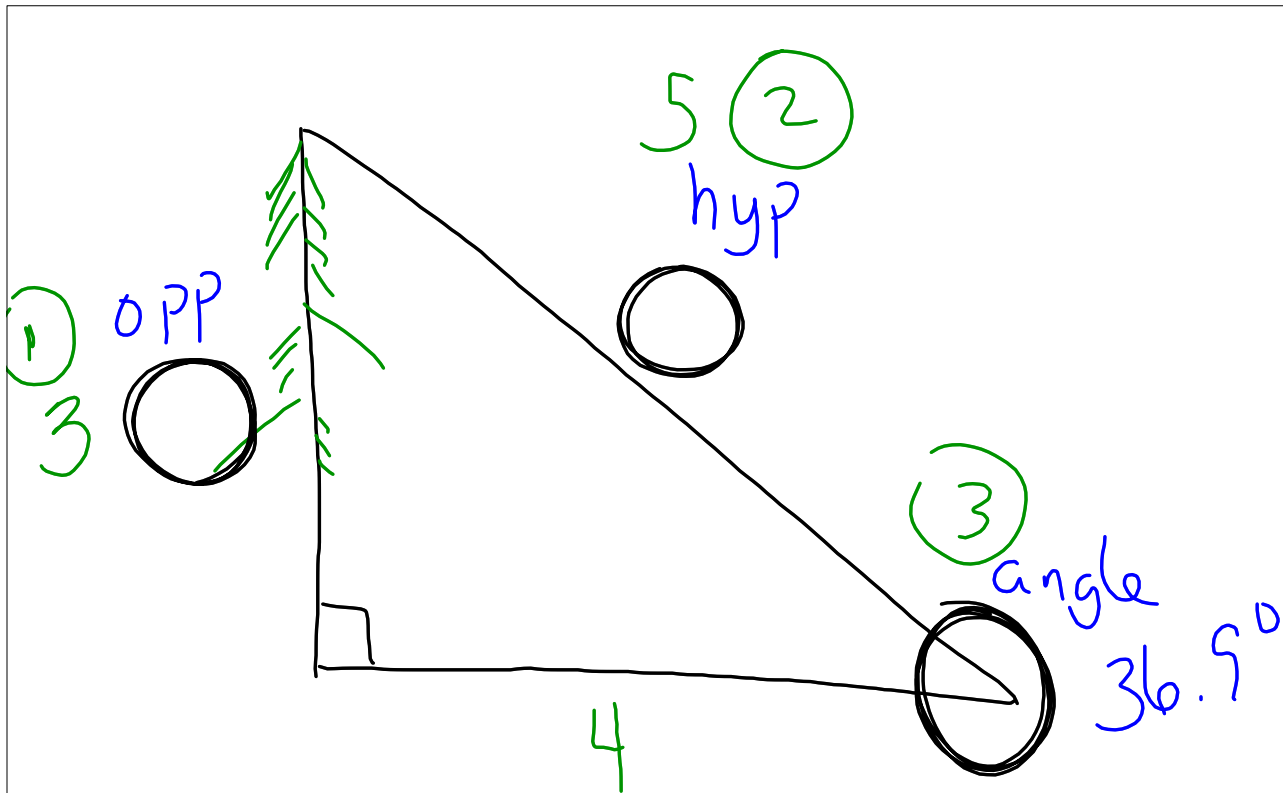
- tan can be used to find the height of tall things.

practical

= tree, mountain, skyscraper, airplane

- measuring with a ruler, tape measure isn't practical, impossible.





- if you take $3 \div 5$, you get the sine of angle. 0.6
- if you take the inverse sine, you get the angle.
 $\sin^{-1}(0.6) = \underline{\underline{36.9^\circ}}$

opposites

+

-

x

÷

x^2

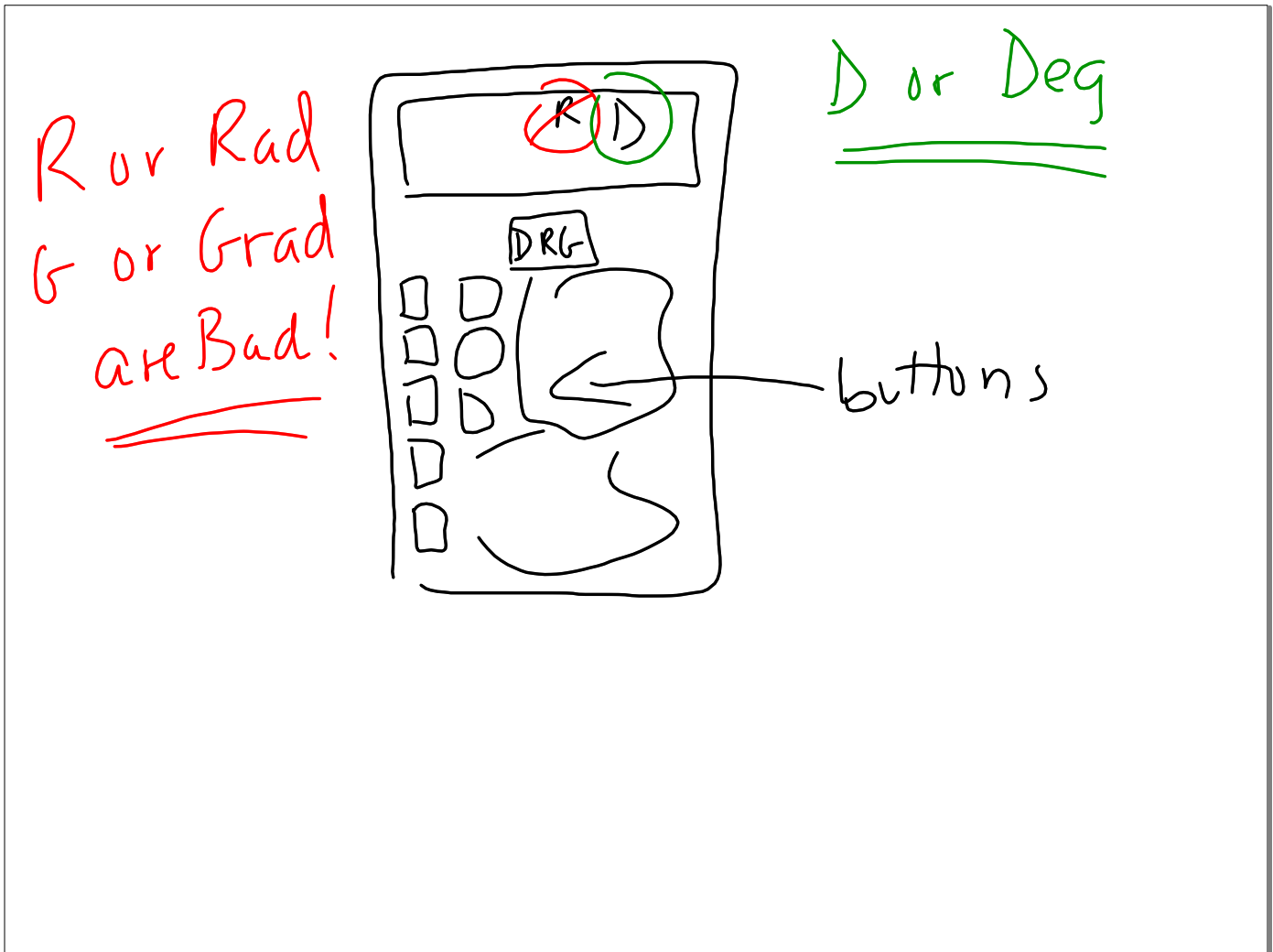
\sqrt{x}

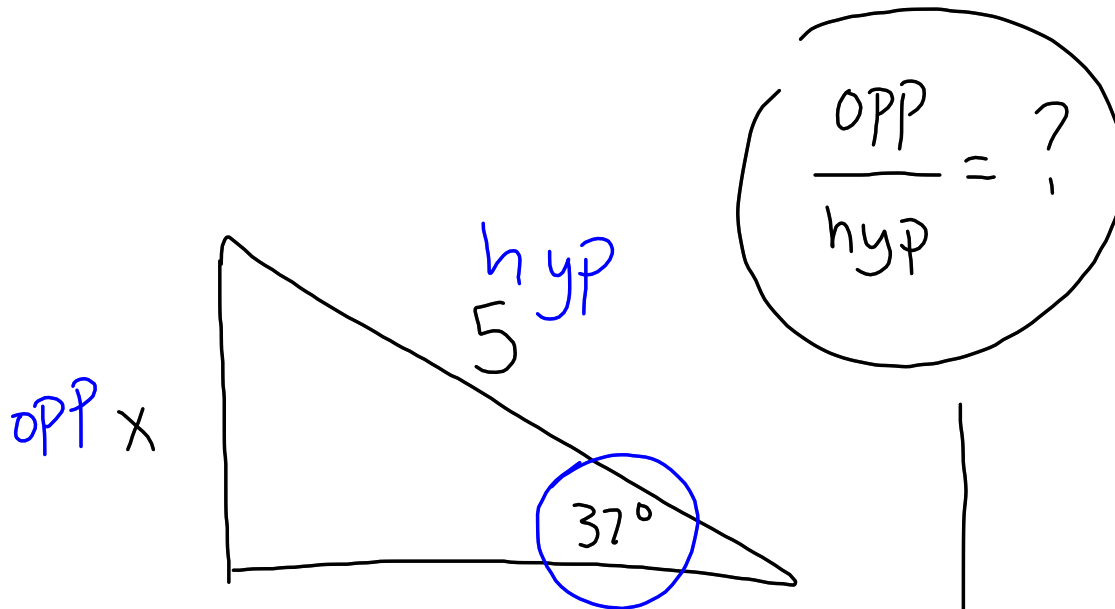
sin

\sin^{-1}

Ex $\sin(37) =$
 0.6018

$\sin^{-1}(0.6018) =$
 37°





Find x using a sine table.

angle opp hyp
sides

$$\frac{0.6018}{\sin 37} = \frac{x}{5} \quad \text{3.009}$$

