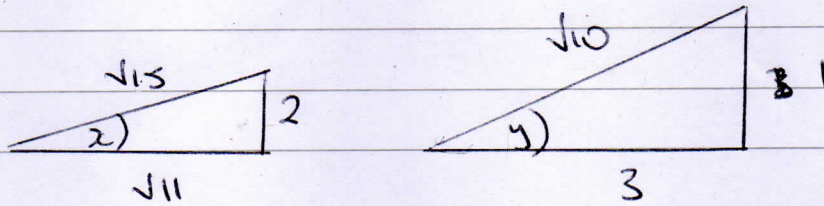


ASST 3. PYTH METHOD FOR 2 last part.

2 c) (ii)



$$\tan x = \frac{2}{\sqrt{11}} \quad \tan y = \frac{1}{3}$$

$$\text{LHS} \equiv \tan(y-x)$$

$$\equiv \frac{\tan y - \tan x}{1 + \tan y \tan x}$$

$$= \frac{\frac{1}{3} - \frac{2}{\sqrt{11}}}{1 + \frac{1}{3} \times \frac{2}{\sqrt{11}}}$$

$$\text{RHS} \equiv \tan(x+y) - \frac{4}{19} \tan x$$

$$\equiv \frac{\tan x + \tan y}{1 - \tan x \tan y} - \frac{4}{19} \tan x$$

$$= \frac{\frac{2}{\sqrt{11}} + \frac{1}{3}}{1 - \frac{2}{\sqrt{11}} \times \frac{1}{3}} - \frac{4}{19} \times \frac{2}{\sqrt{11}}$$