7th December

Revision

make s the subject of the formula $v^2 = u^2 + 2as$

$v^2 = u^2 + 2as$

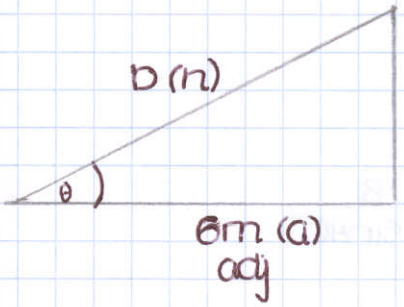
$v^2 - u^2 = 2as$

$\frac{v^2 - u^2}{2a} = s$

$s = \frac{v^2 - u^2}{2a}$

14th December

Raising the Roof



$h^2 = a^2 + b^2$

$h^2 = 36 + 2.25$

$h^2 = 38.25$

$h^2 = \sqrt{38.25}$

$h = 6.184658438$

$\tan$ of $\theta = \frac{o}{a} = \frac{1.5}{6} = 0.25$

$\tan^{-1}(0.25) = 14.03624347°$