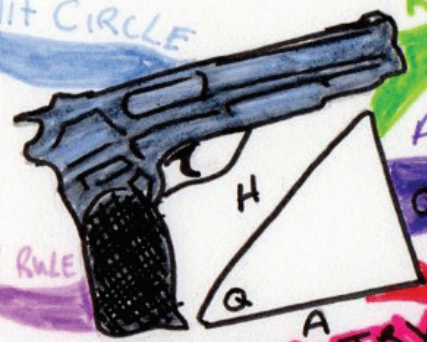


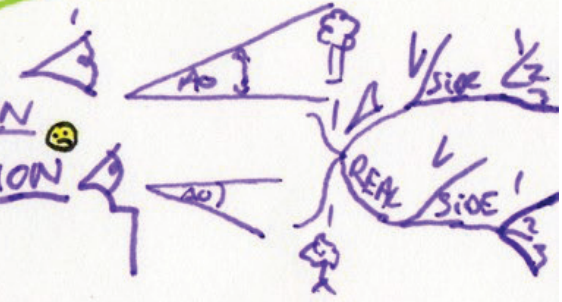
Unit Circle
 FIND ANGLE $\cos 225^\circ = \cos 45^\circ = -\frac{1}{\sqrt{2}}$
 SIN Area $\frac{\sqrt{3}}{2}$

RATIOS Revision $x^2 + y^2 = z^2$
 $\frac{10}{\sqrt{5}}$ Find $\sin A$ $\tan A$
 $\frac{10}{5}$ Find $\sin^2 A + \sin^2 B$

ANGLE / OTHER SIDE
 OTHER ANGLE / SIDE
 NEED
 $A + B + C = 180^\circ$



ANGLES
 ELEVATION
 DEPRESSION



SINGLE RULE
 $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$
 $\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$

SPECIAL

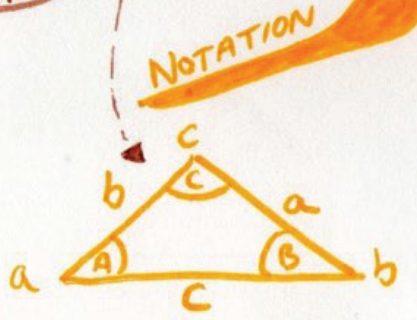
TRIGONOMETRY
 COMPASS

	30°	45°	60°	90°	180°
SIN	1/2	1/√2	√3/2	1	0
COS	√3/2	1/√2	1/2	0	-1
TAN	1/√3	1	√3	?	0

Angle Find AREA
 SIDE

AREA FIND AREA Δ

AREA = $\frac{1}{2} ab \sin C$
 = $\frac{1}{2} ac \sin B$
 = $\frac{1}{2} bc \sin A$



A = $\angle bac$
 B = $\angle abc$
 C = $\angle acb$



A is N 60° E
 (at North turn 60° East)