

ACTION

Revision Material



<http://corbettmaths.com/contents/>
Video 341

RESPONSE

Draw triangles which enable you to find the following trig ratios.

	30°	45°	60°
sin			
cos			
tan			

Fluency



Reasoning



Without using a calculator, evaluate:

- $\sin^2 60 + \tan^2 45$
- $1 + \tan^2 60$
- $1 - \sin^2 30$
- $\tan^2 45 + \sin^2 45$
- $\frac{\sin^2 60}{\cos^2 60}$
- $2 \sin 60 \cos 30$

Problem Solving



One expression to give the answer $\frac{3}{4}$ is $\sin 60 \cos 30$.

Can you find another expression to give the answer $\frac{3}{4}$?

How many expressions can you find which give the answer $\frac{1}{2}$?



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