Mathematics

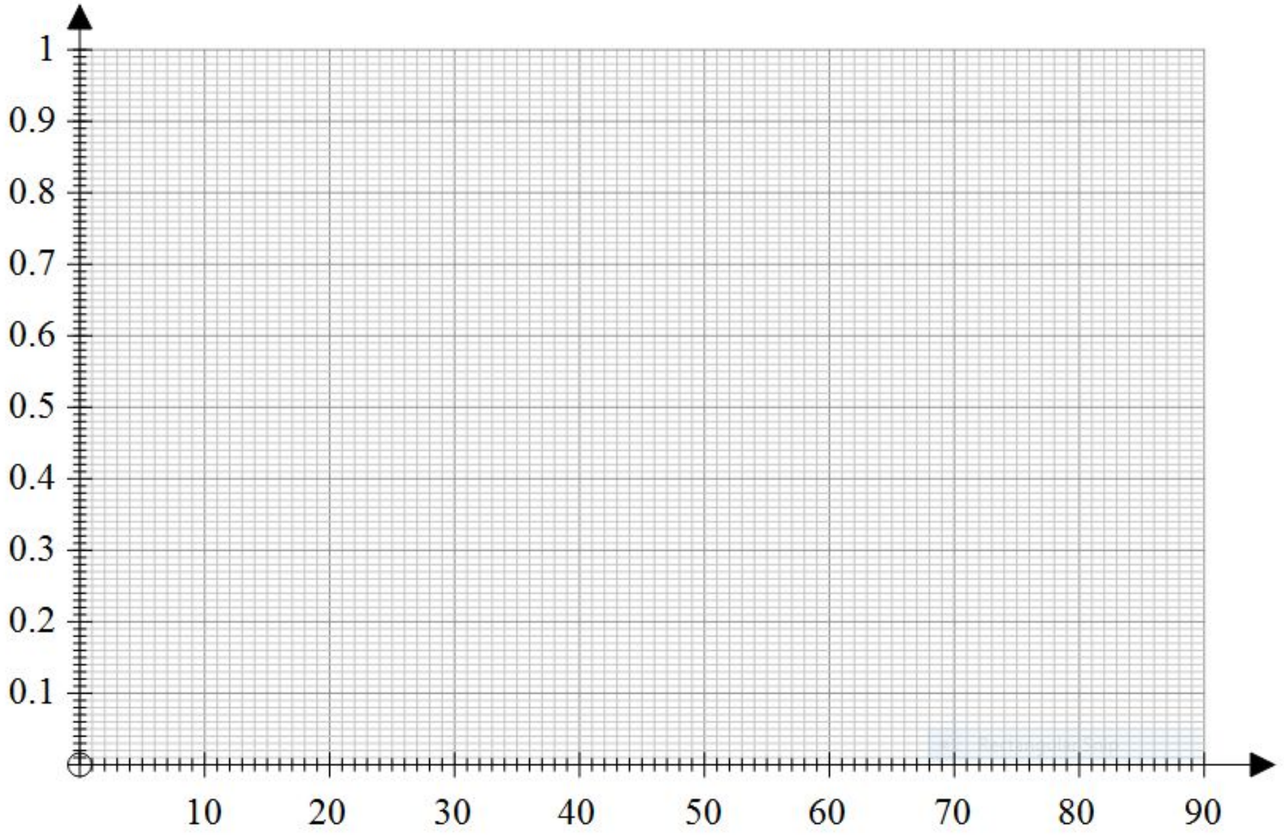
Sine and cosine graphs.
Downloadable resource.
Lesson 12 of 12.

Dr Rim Saada

Try this

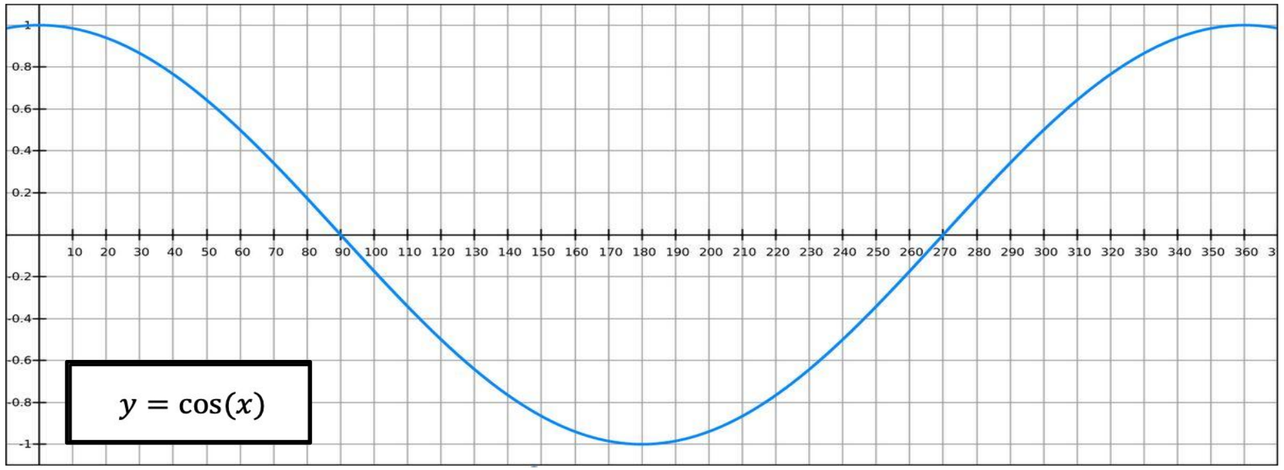
The table to the right, shows sine θ for 10° - 80° angles . Use the table to plot the sine graph.

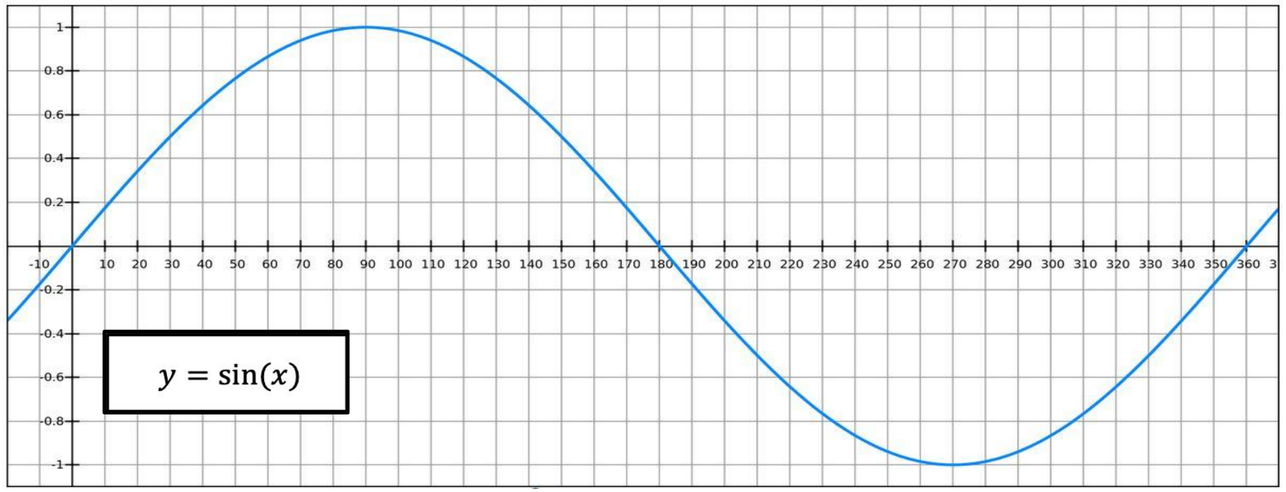
Angle, θ	10°	20°	30°	40°	50°	60°	70°	80°
Sine(θ)	0.17	0.34	0.5	0.64	0.77	0.87	0.94	0.98



Independent task

1) How are these graphs similar? How are they different?





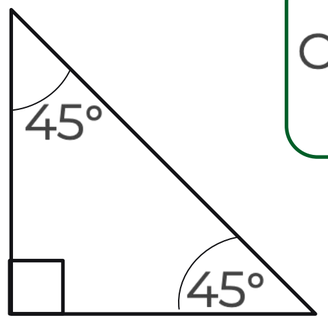
2) Write down two angles which:

…have the same sine value.

…have the same cosine value.

Explore

Why is .....



Cos 45° = sin 45° ?

Cos 0° = 1 ?

Sin 0° = 0 ?

Sin 90° = 1 ?

Sin 90° = 0 ?