

# 7.5 - Solving Trigonometric Equations

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Skills:

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- Solve trigonometric equations
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Lots of Unit Circle work here.

*(we will always be solving for angles that are in radian measure, and that have values between 0 and  $2\pi$ )*

Let's just work through some examples, shall we?

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# Example

$$4\cos \theta = 2\sqrt{3}$$

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Example

$$\cos(2x) = \frac{\sqrt{3}}{2}$$



Example  $\cos \theta = \sin^2 \theta - \cos^2 \theta$

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# Example

$$\sin^2 2\theta = \sin^2 \theta$$

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