

HAT

5/21/18

Solving Trig Equations
Board Review

Solve for all solutions.

$$\cos^2(3\theta) = \cos(3\theta) + 2$$

Solve for $0 \leq x < 2\pi$

$$6 \cos^2 x + 7 \sin x - 8 = 0$$

Solve for all solutions.

$$-\cos\theta = \cos 2\theta$$

Solve for $0 \leq x < 2\pi$

$$\frac{-6 + \sqrt{3}}{2} = -3 + \cos 4\theta$$

Solve for $0 \leq x < 2\pi$

$$3\cos^2 2\theta + 8\sin 2\theta = 7$$

