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Solving Trigonometric Equations by Taking the Square Root

Name	 
Date	 Period

Solve the following equations for  $\theta$  on  $[0,2\pi)$ 

$$4\sin^2\theta - 2 = 0$$

Solve the following equations for  $\theta$  on  $[0,2\pi)$ 

$$4\cos^2\theta - 3 = 0$$

Solve the following equations for  $\theta$  on  $[0,2\pi)$ 

$$3\tan^2\theta - 3 = 0$$

Solve the following equations for  $\theta$  on  $[0,2\pi)$ 

$$8\sin^2\theta - 6 = 0$$