

Name : _____

T2L1S2

Solving Trigonometric Equations

Solve each trigonometric equation.

1) $\frac{\sqrt{6} \sec \theta + 2}{2} = \sqrt{3} + 1$

2) $6 \cot \theta = 2\sqrt{3}$

3) $\tan \frac{7\theta}{3} = \sqrt{3}$

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5) $\sqrt{3} \csc \theta = 2$

6) $\cos 3\theta = -\frac{1}{2}$