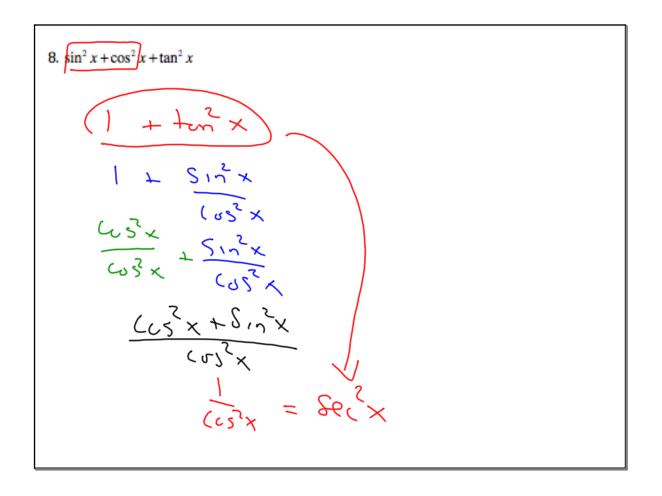
5. $(\cos x + 1)^2 - (\cos x - 1)^2$ $(05^{2} \times + 7 \cos x + 1 - ((0^{2} \times -2605 \times + 1)))$ (03×+2 co 5×+1- (03×+2 cu 5×-1 4 (USX



Solving Equations

May 01, 2018

10.
$$\frac{1+\cot^{2}\theta}{1+\tan^{2}\theta}$$

$$\frac{1+\cos^{2}\theta}{\sec^{2}\theta}$$

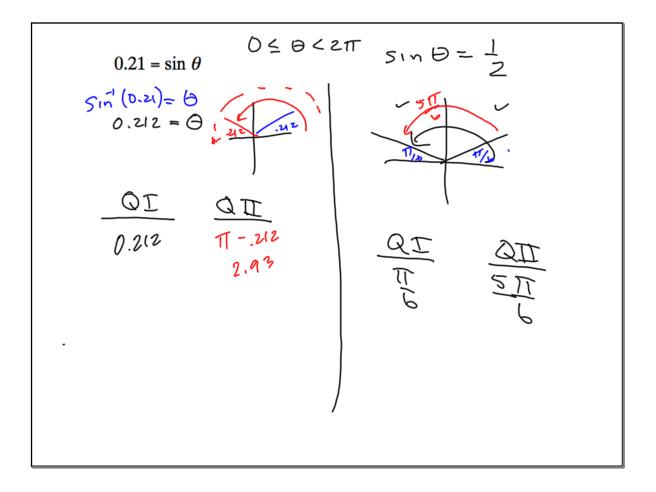
$$\frac{1+\frac{(65\theta)}{5\sqrt{2}\theta}}{\frac{1}{(\sqrt{5}^{2}\theta)}}$$

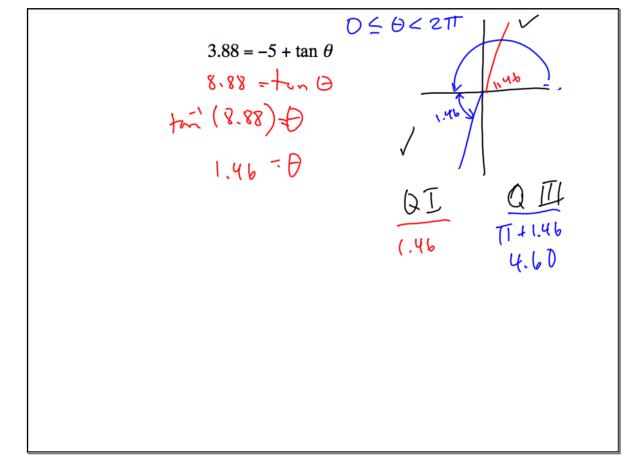
$$\frac{1}{(\sqrt{5}^{2}\theta)}\left(\frac{5\sqrt{2}\theta}{5\sqrt{2}\theta}\frac{(\sqrt{5}^{2}\theta)}{5\sqrt{2}\theta}\right)$$

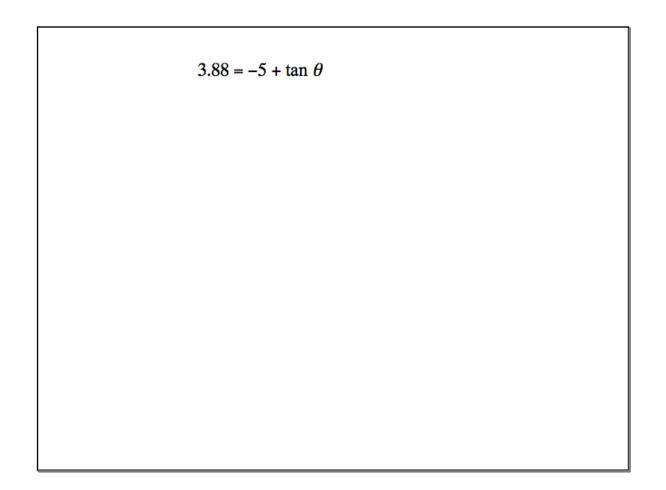
$$(\cos^{2}\theta)\left(\frac{5\sqrt{2}\theta}{5\sqrt{2}\theta}\frac{(5\sqrt{2}\theta)}{5\sqrt{2}\theta}\right)$$

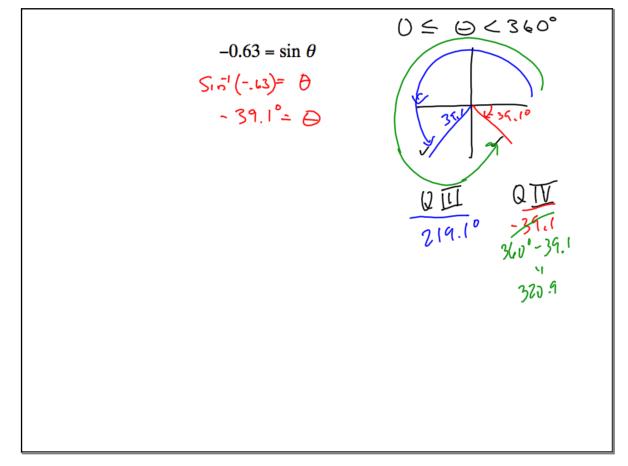
$$(\cos^{2}\theta)\left(\frac{5\sqrt{2}\theta}{5\sqrt{2}\theta}\frac{(\sqrt{5}^{2}\theta)}{5\sqrt{2}\theta}\right)$$

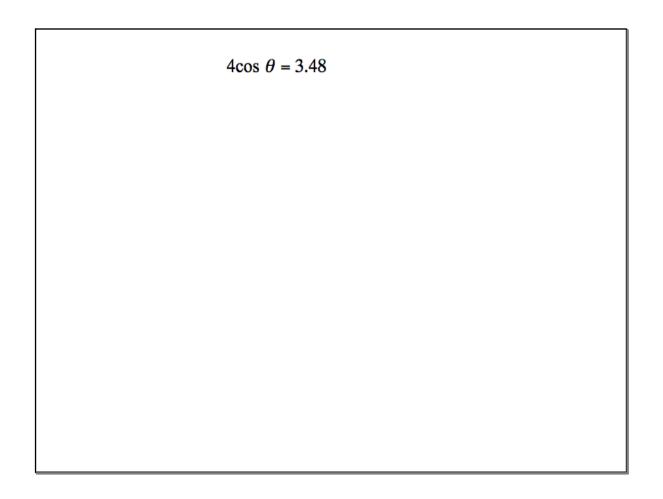
$$(\cos^{2}\theta)\left(\frac{5\sqrt{2}\theta}{5\sqrt{2}\theta}\frac{(\sqrt{5}^{2}\theta)}{5\sqrt{2}\theta}\frac{(\sqrt{5}^{2}\theta)}{5\sqrt{2}\theta}\right)$$











$Sec^{2} x = \frac{3}{2}$ $los^{2} x = \frac{3}{2}$ $los^{2} x = \frac{3}{2}$ $los x = \frac{1}{2}$ $\frac{1}{25}$ $\frac{353}{353}$ $X = C05^{1} (\sqrt{2})$ $X = 35.3^{\circ}$
--

$$\tan^{2}\alpha + 4\tan\alpha + 4 = 0$$

$$(4m\alpha + 2)(4m\alpha + 2) = 0$$

$$\tan \alpha + 2 = 0 \qquad \tan \alpha + 2 = 0$$

$$\tan \alpha + 2 = 0 \qquad \tan \alpha + 2 = 0$$

$$\tan \alpha + 2 = 0 \qquad \tan \alpha + 2 = 0$$

$$\tan \alpha + 2 = 0 \qquad \tan \alpha + 2 = 0$$

$$(x + 2)(x + 2) = -1$$

$$0 \le \alpha \le 360$$

$$0 \ge 0 \le 3.4^{\circ}$$

$$(30 - 63.4^{\circ})$$

$$(16.6^{\circ}) \qquad 360 - 63.4^{\circ}$$

$$(16.6^{\circ}) \qquad 360 - 63.4^{\circ}$$

$$(296.6^{\circ})$$

```
\cos^{2} \alpha + 6\cos \alpha + 4 = 0
((\cos \alpha + 1))((\cos \alpha + 4))
(\cos \alpha + 1 = 0)(\cos \alpha + 4 = 0)
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(\cos \alpha + 1 = 0)(\cos \alpha + 4 = 0)
(\sin \alpha + 1)(\sin \alpha + 1
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