Bellwork Alg 2B Tuesday, May 29, 2018

1. Find all solutions to the nearest hundredth for θ , $0 \le \theta \le 2\pi$. $20\text{Cos}4\theta - 9 = 5$

Find the complete solution to each. Give exact solutions when possible, otherwise, round to the nearest hundredth. Give answers in degrees.

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$$2\cos\theta - 4\cos\theta\sin3\theta = 0$$

3.
$$5Tan^2\theta + 2Tan\theta = 3$$

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ALG 2B Bellwork The

5-29-18

Answers

$$\frac{40}{4} = 0.80 = -0.80$$

$$\Theta = 0.20 \text{ f} 1.37$$
 $1.77 2.94$
 $3.34 4.51$
 $4.91 6.08$

$$2-4 \sin 30=0$$

 $\sin 30=\frac{2}{4}=\frac{1}{2}$

$$\frac{3\Theta}{3} = \frac{36^{\circ}}{3} + \frac{150^{\circ}}{3}$$

period of Tano = 180°

$$\Theta = 90^{\circ} + 360^{\circ} n, 270^{\circ} + 360^{\circ} n, 10^{\circ} + 120^{\circ} n, 50^{\circ} + 120^{\circ} n$$

0= 30.96° £ 210.96° ___