Find ALL EXACT values of  $\theta$  that makes this equation true. Give answer in degrees.

$$8Sin\theta + 15 = 11$$

$$-15 - 15$$
This is what the book calls the "complete solution".

$$8Sin\theta - 15 = 11$$
This is what the book calls the "complete solution".

$$8Sin\theta - 15 = 11$$

$$8Sin\theta + 15 = 11$$

$$9Sin\theta + 15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

$$15 = 11$$

Find the complete solution. Round to the nearest hundredth. Give answer in radians.

$$-2Tan50 + 6 = 3$$

$$Tan50 = 1.5$$

$$50 = Tan^{-1}(1.5) = .95 = .95 + 75 + 75$$

$$0 = .70 = .52$$

$$+ 75n$$

Find the complete solution. Round to the nearest hundredth. Give answer in degrees.

6Cos20 - 1 = 4

(05 20 = 
$$\frac{3}{6}$$

Period =  $\frac{360}{2} = 180^{\circ}$ 
 $\frac{20}{2} = \cos^{-1}(\sqrt{5}) = \frac{33.56^{\circ}}{2} = \frac{-33.56^{\circ}}{2} = \frac{13.56^{\circ}}{43.60} = \frac{16.78^{\circ}}{2} = \frac{16.78^{\circ}}{180^{\circ}n} = \frac{163.22^{\circ}}{180^{\circ}n} = \frac{180^{\circ}}{180^{\circ}n} = \frac{180$ 

Find the complete solution. Round to the nearest hundredth. Give answer in degrees.

 $Cos^2\theta - Cos\theta = 0$ 

$$(050 + (050 - 1) = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050 = 0)$$

$$(050$$

Find the complete solution. Round to the nearest hundredth. Give answer in degrees.

$$4\sin^2\theta = 3\sin\theta$$

$$4 \sin^{2} \theta - 3 \sin \theta = 0$$

$$5 \sin \theta = 0$$

$$5 \sin \theta = 0$$

$$8 = 0', 180', 360'$$

$$8 = 5 \sin^{-1}(34)$$

$$8 = 45.59' \cdot 131.41'$$

$$1360'$$

Find the complete solution. Round to the nearest hundredth. Give answer in degrees.

$$2\cos^2\theta + \sin\theta = 1$$

$$2(1-\sin^2\theta) + \sin\theta = 1$$

$$2 - 2\sin^2\theta + \sin\theta = 1$$

$$0 = 2\sin^2\theta - \sin\theta - 1$$

$$0 = (2\sin\theta + 1)(\sin\theta - 1)$$

$$0 = (2\sin\theta + 1)(\sin\theta - 1)$$

$$0 = (2\sin\theta + 1)(\sin\theta - 1)$$

Find the complete solution. Round to the nearest hundredth. Give answer in degrees.

## $Tan\theta - Sin\theta Tan\theta = 0$

Find the complete solution. Round to the nearest hundredth. Give answer in degrees.

You can now finish Hwk #28

Practice Sheet Sec 14-2

Give EXACT answers when possible, otherwise, round to the nearest hundredth.