ANSWERS

A) _____

B) _____

C) _____

A) Compute <u>all</u> values of x over the interval $[0, 2\pi]$ for which $3\sin^2 x + 2\cos x + 2 = 0$.

B) The equation $\cos x(2\sin x + 1) = 0$ has exactly 4 solutions over the interval $0° < x \le k°$
Compute the <u>minimum</u> value of k.

C) Determine the <u>smallest</u> positive degree-measure of θ for which

$$\sin(3\theta - 160°) = \cos(150° - 2\theta) .$$