Section 7.2. contd:

Thursday, February 26, 2015 11:28 AM

example: simplify

2 Sin x Cosx 2 Sin x (265x)

Sin X

 $(\cos^{4} x - \sin^{4} x)$ $(\cos^{2} x - \sin^{2} x)(\cos^{2} x + \sin^{2} x)$

 $a^2-b^2 \neq (a-b)^2$

COS 2x

4
$$\sin x \cos^3 x - 4 \sin^3 x \cos x$$

4 $\sin x \cos x (\cos^3 x - \sin^3 x)$

2 $\sin x \cos x (\cos^3 x - \sin^3 x)$

2 $\sin x \cos x (\cos^3 x - \sin^3 x)$

2 $\sin x \cos x \cos x \cos x$

4 $\sin^3 x \cos x$

2 $\sin^3 x \cos x \cos x$

4 $\sin^3 x \cos^3 x$

4 $\sin^3 x \cos^3 x$

5 $\sin^3 x \cos^3 x$

6 $\sin^3 x \cos^3 x$

7 $\sin^3 x \cos^3 x$

8 $\sin^3 x \cos^3 x$

8 $\sin^3 x \cos^3 x$

8 $\sin^3 x \cos^3 x$

s.h 2(2x)