

FTDW p. 227-228 #1-26

2.  $-5\cos(7-5x)$       4.  $-\sqrt{3}\sin(\sqrt{3}x)$       6.  $10\sec^2[5(2x-1)]$

8.  $\sec(3-8x)[1-8x\tan(3-8x)]$       10.  $\frac{1}{2\sqrt{x}}+2\csc(1-2x)\cot(1-2x)$

12.  $-\frac{1}{x^2}\csc^2(\pi-\frac{1}{x})$       14.  $[\sec(\tan x)\tan(\tan x)]\sec^2 x$

16.  $-27(4-3x)^8$       18.  $-2(x+\sqrt{x})^{-3}(1+\frac{1}{2\sqrt{x}})$

20.  $-5(\frac{x}{2}-1)^{-11}$       22.  $(1-\frac{1}{x^2})(\frac{x}{5}+\frac{1}{5x})^4$

24.  $\sec x(\sec x + \tan x)^{-1}$       26.  $-5\sin^{-6} x \cos x + 3\cos^2 x \sin x$