Section 9.5 Solutions 45, 47, 49, 79
#45]
$$\frac{d}{dx} = \frac{3x^2}{2} - \frac{d}{dx} = \frac{7}{5x} = \frac{2(\frac{3}{2})x^{2-1}}{2} - \frac{d}{dx} = \frac{7}{5x} = \frac{3x - (-2)(\frac{7}{5})x^{-2-1}}{2}$$

=3x + $\frac{14}{5}x^{-3}$

$$\frac{447}{G(w)} \frac{G(w)}{G(w)} = \frac{5}{9} \frac{1}{4} + \frac{3}{5} \frac{3}{w} = \frac{5}{9} \frac{1}{w} + \frac{5}{3} \frac{3}{w} = \frac{20}{9} \frac{1}{w} + \frac{5}{3} \frac{1}{w} = \frac{20}{9} \frac{1}{w} + \frac{1}{3} \frac{1}{w} = \frac{1}{9} \frac{1}{w} + \frac{1}{3} \frac{1}{w} = \frac{1}{9} \frac{1}{w} = \frac{1}{9} \frac{1}{w} + \frac{1}{3} \frac{1}{w} = \frac{1}{9} \frac{1}{w} = \frac{1}{9} \frac{1}{w} + \frac{1}{3} \frac{1}{$$

$$\#79 \int_{0}^{1} dx \left(\frac{10x + 20}{x} \right) = \int_{0}^{1} 10 + \int_{0}^{1} 20x^{-1}$$

$$= 0 + (-1)(20)x^{-1-1} = -20x^{-2}$$