3.3 19, 24, 27, 30, 34

19. $\frac{d}{dx}\left(c^{5x}\right) = 5e^{5x}$

24. $\frac{d}{dx}\left(\ln|3x-2|\right) = \frac{3}{3x-2}$

27. $\frac{d}{dx}\left(\frac{e^x + e^{-x}}{2}\right) = \frac{e^x - e^{-x}}{2}$

30. $\frac{d}{dx}\left(\frac{e^x}{e^x+1}\right) = \frac{d}{dx}\left(1 - \frac{1}{e^x+1}\right) = \frac{+e^x}{(e^x+1)^2}$

34. $\frac{d}{dx}\left(x \cdot \ln(x) - x\right) = \ln(x) + \frac{x}{x} - 1 = \ln(x)$