

Assignment 10.

1. $\tan y = \frac{1}{2}x + \frac{1}{4} \sin 2x + C.$

2. $y = e^{x \ln x - x}. y = \frac{1}{e}.$

3. $y = \frac{(1+x^2)^3}{4} - 1.$

4. (a) $P = \frac{KP_0e^{rt}}{K - P_0 + P_0e^{rt}}.$

(b) $P \rightarrow K.$

5. (a) Omit

(b) $V = 18 - 18e^{-\frac{t}{2}}.$

(c) $t = 2 \ln 2.$