Pre-Calc AB Worksheet #47 : Answers

1a. $\dfrac{\ln(8/3)}{3\ln 2} + \dfrac{1}{3}$

1b. $\ln 5$

1c. $\dfrac{\ln 4}{2}$

1d. $2\ln 75$

1e. $\dfrac{\ln 2}{12\ln(1 + \frac{0.10}{12})}$

1f. $-1 + \sqrt{1 + e}$

1g. No Solution

1h. $\dfrac{725 + 125\sqrt{33}}{8}$

2. 14259 units

3b. $V = 6.7$; The yield will approach 6.7 million cubic feet per acre.

3c. 29.3 years

4. 2001