FST Name:

PS 5.6 Date: Block:

***Problem Set 5.6***

Solve the equations. Show all of your work in order to receive full credit.

|  |  |
| --- | --- |
| 1.)  | 2.)  |
| 3.)  | 4.)  |
| 5.)  | 6.)  |
| 7.)  | 8.)  |
| 9.)  | 10.)  |
| 11.)  | 12.)  |
| 13.)  | 14.)  |
| 15.  | 16.  |
| 17.)  | 18.)  |

**Word Problems.** An investment of $1,750 earns 5.75% interest, which is compounded monthly. After approximately how many years will the investment be worth $5,000?

A stock bought at an initial price of $5 per share is worth $12 after 7 years. Find the rate of continuously compounded interest in this investment.