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.