

It's homework. Each problem is worth 0 points... this time.

1. Compute the total value of 10 payments, each of \$1000. **\$10,000**
2. Compute the total value of 20 payments, each of \$3000. **\$60,000**
3. Compute the total value of 30 payments, each of \$500. **\$15,000**
4. Compute the total value of 100 payments, each of \$200. **\$20,000**
5. Compute the total value of an income stream of \$50,000/year over 10 years. **\$500,000**
6. Compute the total value of an income stream that begins at \$5000/year and increases linearly to \$10000 over a 9-year period. **\$247,500**
7. Compute the total value of an income stream that begins at \$0/year and increases linearly to \$20000 over a 10-year period. **\$100,000**
8. Compute the total value of an income stream that begins at \$1,000,000/year and increases exponentially by 10%/year over a 5-year period. **\$6,405,506.75**
9. Compute the total value of 10 payments, beginning at \$1000 and each increasing 2% over the previous. **\$10,949.72**
10. Compute the total value of 20 payments, beginning at \$3000 and each increasing 4% over the previous. **\$89,334.24**
11. Compute the total value of 30 payments, beginning at \$500 and each increasing 6% over the previous. **\$39,529.09**
12. Compute the total value of 100 payments, beginning at \$200 and each increasing 5% over the previous. **\$522,005.03**
13. Compute the future value (assuming 5% continuous interest) of an income stream of \$50,000/year over 10 years. **\$648,721.27**
14. Compute the present value (assuming 5% continuous interest) of an income stream that begins at \$5000/year and increases linearly to \$10000 over a 9-year period. **\$219,754.95**
15. Compute the future value (assuming 5% continuous interest) of an income stream that begins at \$0/year and increases linearly to \$20000 over a 10-year period. **\$118,977.02**
16. Compute the present value (assuming 5% continuous interest) of an income stream that begins at \$1,000,000/year and increases exponentially by 10%/year over a 5-year period. **\$5,611,684.84**