

## Choosing Job Offers Version 2

**After interviewing with several companies, you have been offered two jobs in the local area. Job offer A has a starting salary of \$30,000 with a guaranteed 6% raise per year. Offer B has a starting salary of \$32,000 with a guaranteed \$1800 raise per year.**

(You may wish to use a spread sheet such as Excel to perform the requested calculations. Then you can simply attach a printout to show your calculations in questions 2-5 below.)

1. Is one offer obviously better than the other? Why or why not?
2. Which offer gives you the most income in year 5? Show your calculations.
3. Which offer gives you the most income in year 8? Show your calculations.
4. If you plan to leave the job after 10 years, which offer will give you the most total income for the entire period? Attach your calculations.
5. If you decide to stay with the job you choose for many years (until retirement), which is the better offer? Attach your calculations.
6. One of these offers can be modeled with a linear function; the other can be modeled with an exponential function. Which offer is exponential and why?