Below are four independent scenarios relating to the investment of a single lump-sum amount. Calculate the future value of each, using the algebraic formula illustrated in the textbook. Then, verify your answer by reference to the "future value of $1" table. If you have a "business" calculator, additionally verify your calculations using the future value functions included with your calculator.

(a) An investment of $1,000 for 10 years, at a 5% annual rate, compounded annually.

(b) An investment of $5,000 for 2 years, at a 6% annual rate, compounded monthly.

(c) An investment of $2,500 for 3 years, at a 10% annual rate, compounded semi-annually.

(d) An investment of $7,500 for 5 years, at an 8% annual rate, compounded quarterly.