**Problem 1.50**

For the following five spreadsheet functions, (*a*) write the values of the engineering economy symbols *P*, *F*, *A*, *i*, and *n*, using a ? for the symbol that is to be determined, and (*b*) state whether the displayed answer will have a positive sign, a nega­tive sign, or it can’t be determined from the entries.

(1) = FV(8%, 10, 3000, 8000)

(2) = PMT(12%, 20, –16000)

(3) = PV(9%, 15, 1000,600)

(4) = NPER(10%, –290,, 12000)

(5) = FV(5%, 5, 500, –2000)