

Excel: Please work the following problems. They are due by 11:59 pm, Sunday, June 12. Solve all the following problems in the same workbook, named **Homework 4.xlsm**, but on separate worksheets. Rename the worksheet tabs as **HW4 Q1**, **HW4 Q2**, etc.

1. The file **AgeOfMachines.xlsx** contains dates on which several machine (known as Widgets) were bought and sold. Using text functions, complete the data for columns C through G. Note that date data is stored as a 5 digit text number. Then complete the data for columns H and I, which are asking you to determine how many complete months and years each machine was kept.
2. Write an Excel function that determines how many working days there are between May 12, 2015 and September 11, 2015. Your function should exclude Saturdays, Sundays and any holidays during that period.
3. Consider the following set of cash flows over a four-year period. Determine the NPV of these cash flows if $r = 0.15$ and the cash flows occur at the end of the year.

Year	Cash Flow
1	-\$600
2	\$550
3	-\$680
4	\$1000

VBA: Please work the following problem. It is due by 11:59 pm, Sunday, June 12.

This assignment is to give you some more practice in creating basic VBA programs. Solve them in the same workbook as above, but on separate worksheet.

4. Write a program, and store it in a file called **Travel Expenses.xlsm**, that does the following:
 - a. It asks for a person's first name and stores it in a variable called **firstName**
 - b. It asks for a person's last name and stores it in a variable called **lastName**.
 - c. It asks for a number of miles a person traveled on a recent trip and stores it in a variable called **nMiles**
 - d. It asks for the average miles per gallon the person got on the trip and stores it in a variable called **milesPerGallon**
 - e. It asks for the average price per gallon paid for gas on the trip and stores it in a variable called **avgPrice**
 - f. It calculates the cost of the trip and stores it in a variable called **tripCost** and
 - g. It displays a message such as "Bob Jones traveled 800 miles, got 31.3 miles per gallon on average, paid \$2.49 per gallon on average, and paid a total of \$63.64 for the gas".