

Appendix

B

Programming Problems 9-12

Create a program that will take two real number inputs and add them together and print the answer on the command line. Use the example code shown below for the adding program. Put this year in the space year and place your name at first name and last name. Save the program as **adding.lsp**.

```
;;; adding.lsp
;;; a program that adds two numbers together
;;; copyright 1997 by charles w. robbins

(alert "adding.lsp - copyright year by first name and last name. type adding to start")

;;; start the program

(defun c:adding (/)

  ;;; input

  (setq number1 (getreal "\nWhat is the first number?  "))
  (setq number2 (getreal "\nWhat is the second number?  "))

  ;;; do the math

  (setq answer (+ number1 number2))
  (print answer)

  ;;; end of program

)
```

Create three more programs that will take two real number inputs and do the following:

Subtract the second number from the first number. Save the program as **subtract.lsp**.

Multiply the first number times the second number. Save the program as **multiply.lsp**.

Divide the first number by the second number. Save the program as **divide.lsp**.

*** World Class CAD Challenge * - Create a New AutoCAD file and open the Visual AutoLISP editor and code the adding, subtract, multiply and divide problems using the Construction coding method. Save the code each coding problem as named above.**

Send your copy of your code for verification to the authors of these problems to have your name and location posted. See the web site for instructions at www.worldclasscad.com