

Objectives:

Using the **LAWS OF EXPONENTS** applet, the student will apply the laws of exponents to multiply and divide monomials and to raise a monomial to a power.

Functionality:

When the student presses **START**, the **LAWS OF EXPONENTS NOTE** will be displayed.

After reading the note, the student should look at the **SKETCH** for further explanation.

VIEWS allows the student to select a new problem, enter the answer, see the steps involved in solving the problem, or to view the problem again.

New Problem will display a problem for the student to solve. The problems will be randomly generated to be multiplication, division, or an exponent raised to an exponent.

Guess prompts the student to enter the coefficient and the exponent of the answer.

Information concerning the answer will be displayed in a message box. **EXCELLENT!** appears when the student is correct. If the coefficient or exponent is correct, the message box will display the correct information.

Show Steps will show the steps involved in solving this problem. Press any key to see the next step.

See Problem will display the problem again if needed.

Additional Exploration:

A more complex version of this applet, called **Indices Drill**, is available from The HP HOME view website at <http://www.hphomeview.com>

Programs associated with this applet:

.LE.NP, .LE.G, .LE.S, .LE.SEE, .LE.SV