

## ***Patterns***

### **BACKGROUND**

Patterns is a set of two puzzles based on special geometric shapes. The puzzles have entertained people for years. The names of these puzzles are Tangrams, and Plates of Wisdom.

### **OBJECT OF THE PUZZLES**

The object of these puzzles is to form patterns using all of the pieces in the puzzle.

### **HOW TO PLAY**

Select a pattern from the Patterns menu by choosing Select. It will appear in black in the upper right of your screen.

To move a piece, left-click on one of the blue pieces and drag it to the desired location.

You may manipulate the pieces by selecting Rotate(+/-) and Flip Piece from the Options menu. Rotate(+/-) moves the selected piece in a circular motion around its center-point. Flip Piece moves the selected piece by mirroring it around a point. You must left-click on a piece to select it. Rotate the pieces into position by clicking the right button, by clicking on Rotate(+/-) on the menu bar, or by pressing the +/- keys on the keyboard. Only the currently selected piece will be affected by the Rotate(+/-) and Flip Piece commands.

You may adjust the degree of rotation using the Options menu. You may select either 15 Degrees or 45 Degrees.

Move each piece this way, clicking, dragging, and rearranging until you simulate the given pattern.

### **RULES**

You must use all of the pieces.

There can be more than one solution to many of the puzzles.

### **HINTS AND STRATEGIES**

You can check your solution by selecting "Solution?" from the Pattern menu.