

## Lesson 10: Grids

### Materials:

Grid paper, 10x10

Pencils.

### Directions:

Given a 10x10 grid, draw a polygon and a small circle that will completely enclose it.

- Turn your paper horizontally.
- Find the right end of the horizontal line that is closest to the right-hand edge of the page.
- Count seven full squares to the left.
- Turn up four full squares.
- Make a dot on the intersection of the two dotted and the solid lines.
- Open your pencil and the paper will now have pencil marks:

Left: 2 squares	Up: 2 squares	Left: 1 square
Down: 2 squares	Right: 2 squares	Down: 1 square
Up: 2 squares	Up: 2 squares	Up: 1 square
Down: 1 square	Left: 1 square	Down: 2 squares
Right: 3 squares	Down: 1 square	Right: 2 squares
Up: 4 squares	Left: 1 square	Down: 4 squares
Left: 1 square	Up: 2 squares	Left: 2 squares
Up: 3 squares	Left: 1 square	Down: 3 squares
Up: 2 squares	Down: 1 square	Up: 1 square
Down: 2 squares	Right: 2 squares	Down: 2 squares
Left: 3 squares	Down: 2 squares	Right: 3 squares
- Hold your pencil in such a way so that each mark will become the vertex of your drawing.

