

Name:

class:

date:

### Turtle Worksheet - Polygons & Stars

Use the Turtle to do the following:

(Always return the turtle to the original positions and facing the original direction.)

1. Draw an equilateral triangle.
  - a. List the commands \*
  - b. What is the angle of each turn? (The exterior angle.)
  - c. What is the adjacent supplementary angle of each turn? (The interior angle.)
  - d. What is the sum of the interior angles?
  
2. Draw a square.
  - a. List the commands \*
  - b. What is the angle of each turn? (The exterior angle.)
  - c. What is the adjacent supplementary angle of each turn? (The interior angle.)
  - d. What is the sum of the interior angles?
  
3. Draw a regular pentagon
  - a. List the commands \*
  - b. What is the angle of each turn? (The exterior angle.)
  - c. What is the adjacent supplementary angle of each turn? (The interior angle.)
  - d. What is the sum of the interior angles?
  
4. Draw a regular hexagon.
  - a. List the commands \*
  - b. What is the angle of each turn? (The exterior angle.)
  - c. What is the adjacent supplementary angle of each turn? (The interior angle.)
  - d. What is the sum of the interior angles?
  
5. Draw a regular octagon.
  - a. List the commands \*
  - b. What is the angle of each turn? (The exterior angle.)
  - c. What is the adjacent supplementary angle of each turn? (The interior angle.)
  - d. What is the sum of the interior angles?
  
6. Draw a regular 5 pointed star.
  - a. List the commands \*
  - b. What is the angle of each turn?
  
7. Draw a different regular star.
  - a. List the commands \*
  - b. What is the angle of each turn?

\* Sample:

Draws a square 1 on each side.

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fd 1 rt 90 fd 1 rt 90 fd 1 rt 90 fd 1 rt 90
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or

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repeat[4 , fd 1, rt 90]
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