

2. The turtle can turn ✓

3. Turning back ✓

4. The inverted letter L ✓

5. Clear the screen ✓

6. Combining commands ✓

7. Shortcuts ✓



Type your code here...

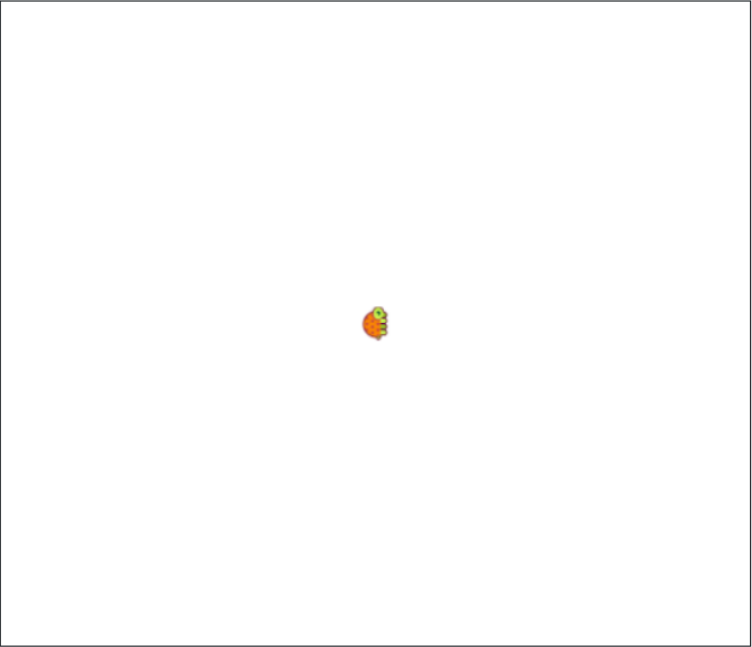
Run

Commands history

```
fd 50 lt 90 fd 30
cs
fd 50 lt 90 fd 30$
cs
forward 50 left 90 forward 50
-1-----
```

Next: Controlling the Turtle and Pen »

- 1. What is the pen? ✓
- 2. Lifting the Pen ✓
- 3. Walking without the pen ✓
- 4. Putting the pen back down ✓
- 5. Moving again with the pen down ✓
- 6. Hiding the turtle ✓
- 7. Drawing with the hidden turtle ✓
- 8. The Turtle Reappears ✓



Type your code here...

Run

Commands history

```
showturtle  
lt 90 fd 40  
hideturtle  
fd 40  
pendown  
fd 40
```

1. Lesson goal ✓

2. Turtle world ✓

3. Clear the screen ✓

4. Move the x axis ✓

5. Turtle home ✓

6. Setting x and y ✓

7. Setting x and y coordinate together ✓

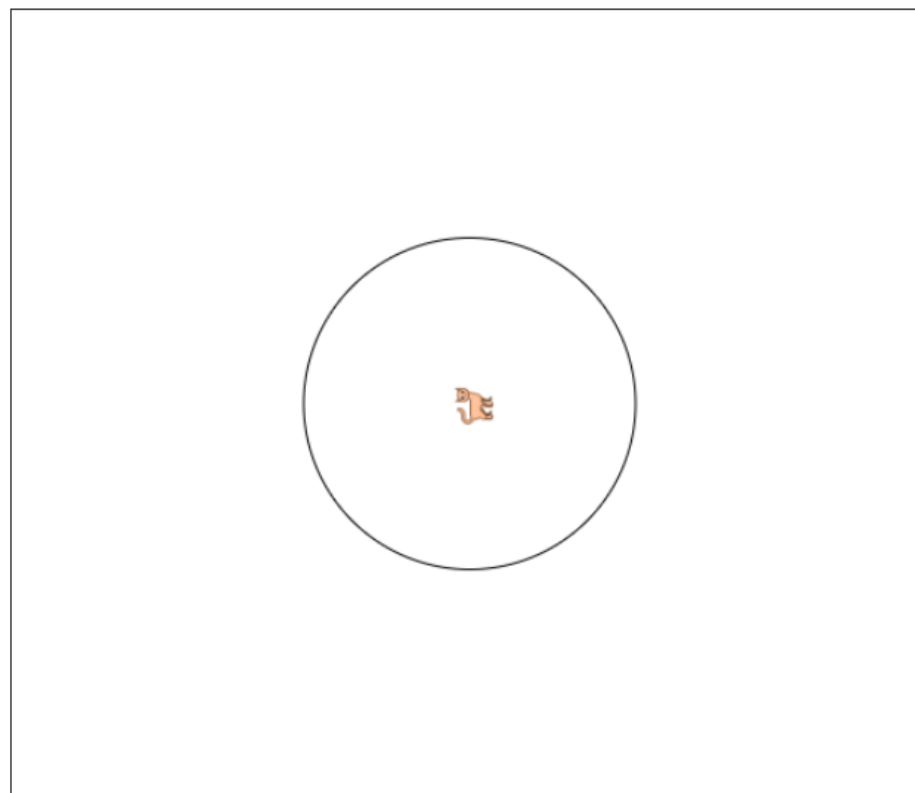
8. The turtle head ✓

9. Create an arc ✓

10. Creating a circle ✓

11. Change shape ✓

« Previous: Controlling the Turtle and Pen



Type your code here...

Run

Commands history

```
csh "cat  
arc 360 100  
cs  
arc 90 60  
seth 175  
cs catv 50 50
```

Copy to commandline

Next: The turtle answer »

4. The turtle answer

1. Our goal ✓

2. Where is our turtle now ✓

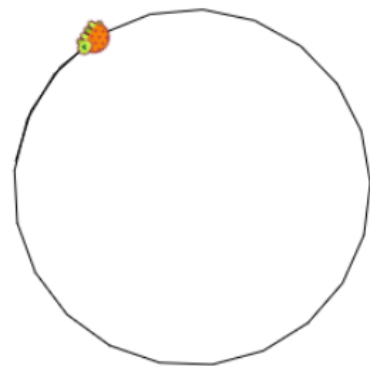
3. Another way of asking ✓

4. Where are we heading to? ✓

5. I want to get there ✓

6. Set the head ✓

```
48.7912199413 76.5868742318
48.7912199413
48.000000000000114
212.5000000000088
```



Type your code here...

Run

Commands history

```
seth 212.5
print towards list 0 0
print heading
print xcor
print pos
```

5. Cool labels

1. Our goal ✓

2. The label command ✓

3. Bigger font ✓

4. Lets try it ✓

5. Label direction ✓

6. Do it wherever you want ✓



victory
turtle
turtle

Type your code here...

Run

Commands history

```
penup setxy -30 70 pendown seth 90 label "victory"
seth 90 label "turtle"
label "turtle"
cs
setlabelheight 30
```

6. Loops

1. Draw a Square ✓

2. Square with a Loop ✓

3. Octagon with a Loop ✓

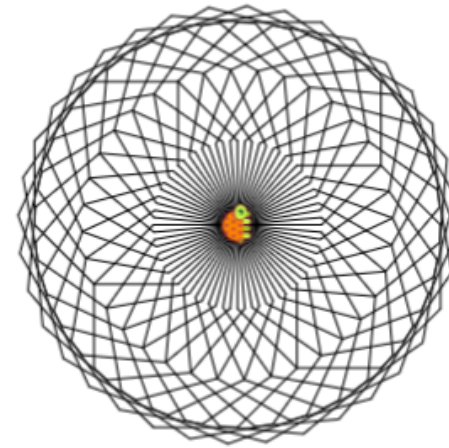
4. A Nested Loop ✓

5. Nine Squares ✓

6. Forward and Backward ✓

7. The Asterisk ✓

8. Crazy Octagons ✓



Type your code here...

Run

Commands history

```
cs repeat 36 [ rt 10 repeat 8 [ fd 50 lt 45]]
repeat 20 [ fd 80 bk 80 rt 18]
cs fd 100 bk 100
repeat 9 [repeat 4 [fd 5 rt 90] penup fd 8 pendown]
repeat 9 [repeat 4[fd 5 rt 90] penup fd 8 pendown]
repeat 9 [repeat 4 [fd 5 rt 90] penup fd 8 pendown]
```

« Previous: Cool labels

Next: Polygons »

7. Polygons

1. Triangle ✓

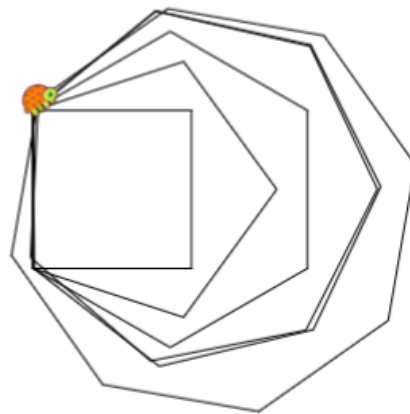
2. Square ✓

3. Pentagon ✓

4. Hexagon ✓

5. Septagon ✓

6. Octagon ✓



Type your code here...

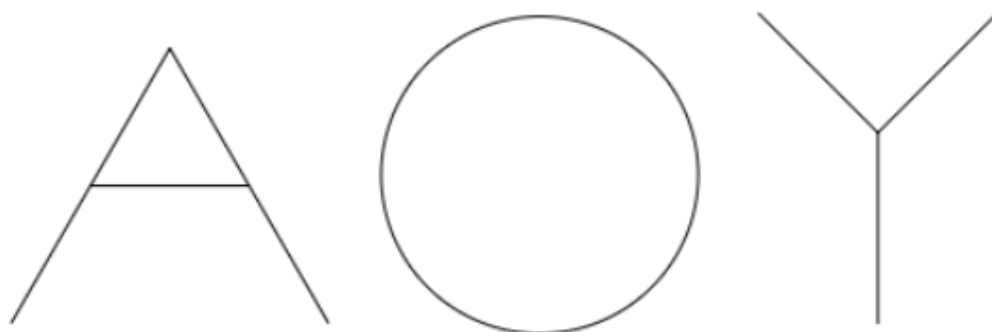
Run

Commands history

```
repeat 8 [fd 100 rt 45]  
repeat 7 [fd 100 rt 52]  
repeat 7 [fd 100 rt 51.4]  
repeat 7 [fd 100 rt 51,4]  
repeat 6 [fd 100 rt 60]  
repeat 5 [fd 100 rt 72]
```

« Previous: Loops

Next: The pen width »



Type your code here...

Run

Commands history

```
seth 45 pendown fd 80 hideturtle
```

Y harfinin yazimi

```
seth 90 fd 160 seth 0 pendown fd 90 seth 315 fd 80 seth 135 penup fd 80
```

```
fd 70 arc 360 75 home
```

O harfinin yazimi

```
fd 150 penup seth 330 fd 75 seth 270 pendown fd 75 penup home
```

```
penup lt 90 fd 250 seth 30 pendown fd 150 seth 150
```

A harfinin yazimi