

Microworlds logo

```
to square
  pd
  repeat 4[fd 100 rt 90 ]
end

to triangle
  pd
  rt 30
  fd 100
  repeat 2[rt 120 fd 100]
  rt 90
end

to circle
  pd
  repeat 360[rt 1 fd 1]
end

to house
  square
  fd 100
  triangle
end

to polygon
  repeat 6[fd 100 rt 360 / 6]
end

to square2 :side
  pd
  repeat 4 [fd :side rt 90 ]
end

to triangle2 :side
  pd
  rt 30
  fd :side
  repeat 2 [rt 120 fd :side]
  rt 90
end

to house2 :side
  square2 :side
  fd :side
  triangle2 :side
end

to circle2 :angle :dia
  pd
  repeat 360 [ rt :angle fd :dia ]
end

to polygon2 :sides :length
  repeat :sides [fd :length rt 360 / :sides]
end
```

```
to allshapes :side :angle :dia :sides :length
```

```
  pu
```

```
  lt 120
```

```
  fd 300
```

```
  rt 120
```

```
  pd
```

```
square2 :side
```

```
  pu
```

```
  fd 200
```

```
  pd
```

```
triangle2 :side
```

```
  rt 140
```

```
  pu
```

```
  fd 250
```

```
  lt 140
```

```
  pd
```

```
house2 :side
```

```
  pu
```

```
  fd 150
```

```
  pd
```

```
circle2 :angle :dia
```

```
  pu
```

```
  rt 140
```

```
  fd 250
```

```
  lt 150
```

```
  pd
```

```
polygon2 :sides :length
```

```
end
```