



Robots come in all shapes and sizes! Can you code your Root[®] Coding Robot to draw some shapes? In this coding challenge, explore the drawing functionality to create four shapes in the iRobot[®] Coding App.

Getting Started

1. Visit code.irobot.com or the iRobot[®] Coding App on an **Android** or **iOS** device.
2. Tap on the + icon to open a new coding project.

With Coders

1. Find the Marker Block.



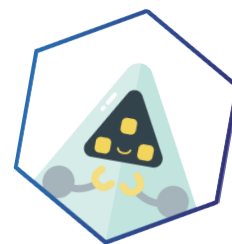
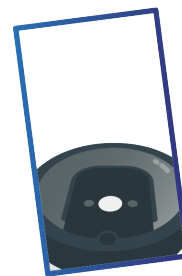
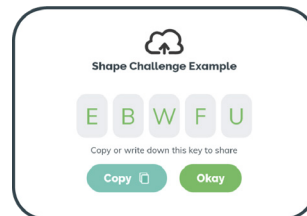
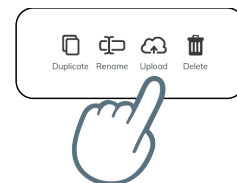
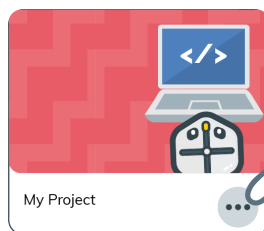
2. Model how to code the Root SimBot to draw a square.



3. Encourage coders to create three other shapes with code. Coders can work together in small groups or individually.
 - **Option 1:** Each participant codes a shape and then shares codes with group
 - **Option 2:** Code four shapes in the the same project (example: **V2L8A**)

Share Your Projects

1. Click the three dots on your coding project
2. Rename your project. Tap the Upload Icon
3. Copy your Project ID
4. Share your Project ID on social media and tag us @RobotEducation! Post a picture as well!
5. Have fun!



Subject(s):

Coding, Robotics

Experience Level:

Beginner

Time:

30-45 minutes

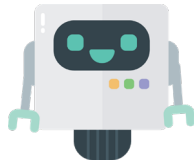
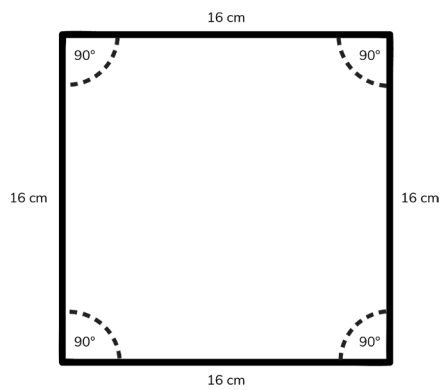
Group Size:

1-3

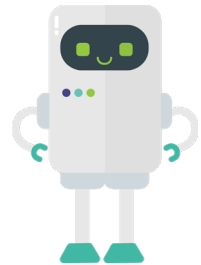
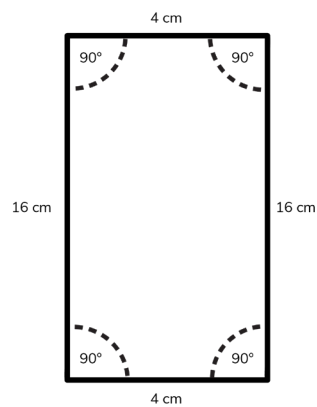
Shapes Reference Guide (Level 1)

Robots come in all shapes and sizes! Here are some shapes to build with code in Level 1.

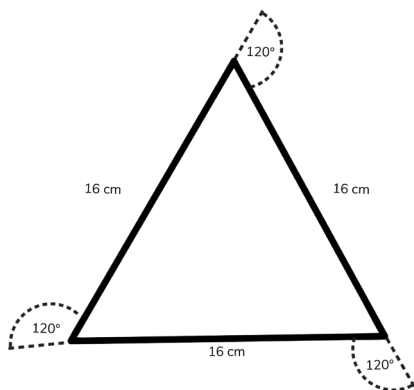
Square



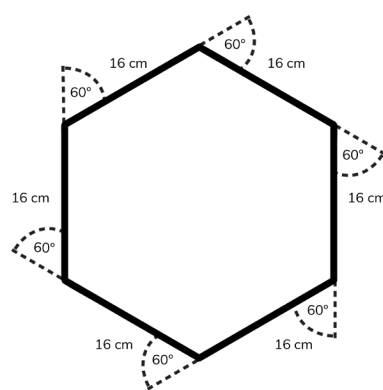
Rectangle



Triangle



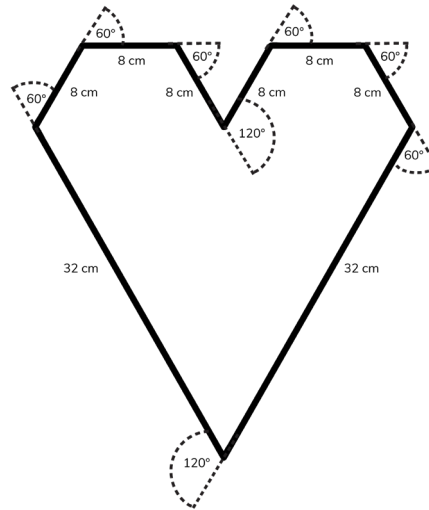
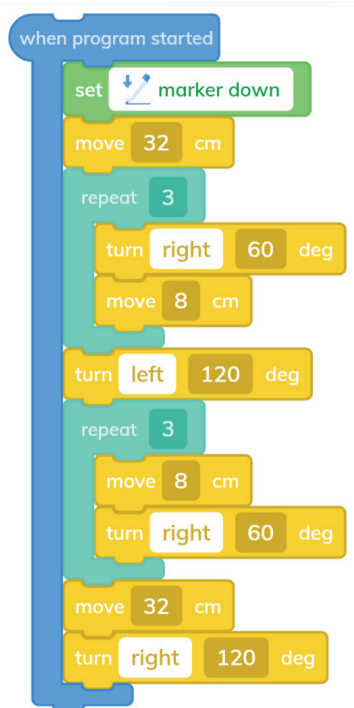
Hexagon



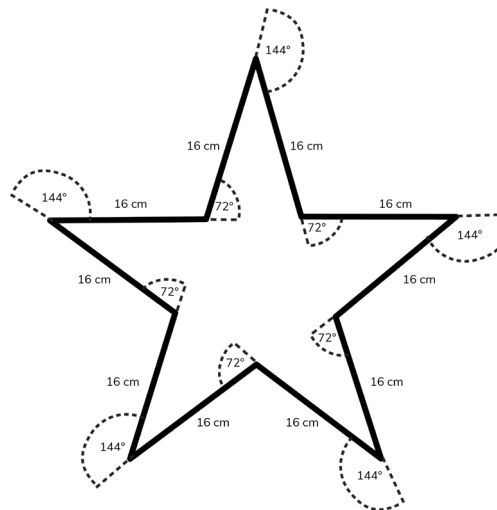
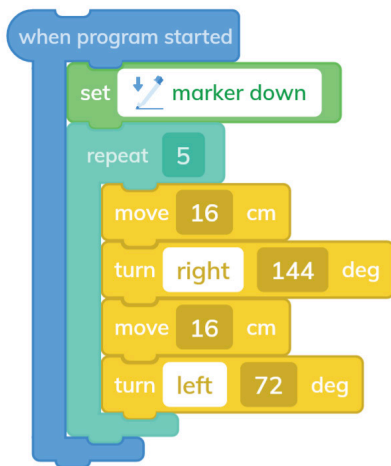
Shapes Reference Guide (Level 2)

Here are some more complex shapes to build with code in Level 2.

Heart

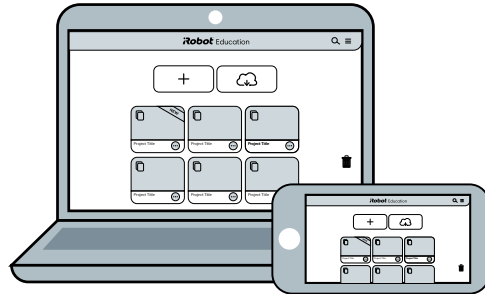


Star



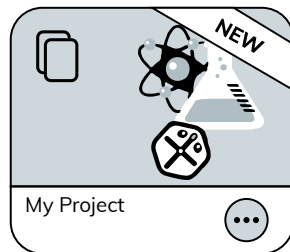
Uploading Projects

Step 1:



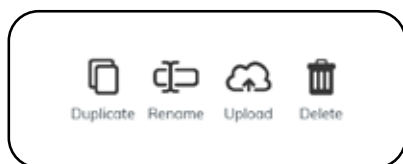
Visit **code.irobot.com**
or the **iRobot™ Coding App**.

Step 2:



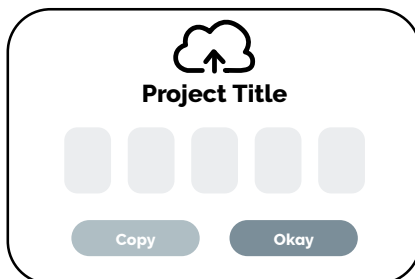
Select the project. Click on the
three dots.

Step 3:



Click on the **Upload Icon**.

Step 4:



Copy the project code to
share with your friends!

Name _____

Date _____

Robo Shapes: Coding Reflection

Share about your experience coding your project!

1. Rename your project and save it.

Enter your project code here:



2. Circle your coding style.



I coded on
my own.



I coded with
others.

3. What is something you learned during this coding challenge?

4. What would you do differently next time?

5. What ideas do you have to code next?

