

Robotics and Congruent Triangles

Name _____

Answer all questions during the robotics demonstration

1. What kind of triangle are we trying to make with the robot? _____
2. This means that the length will be _____ as the triangle on the floor.
3. The angles will be _____ as the angles of the triangle on the floor.
4. How is the length of the line determined by the robot? _____

5. What determines how the angle is made by the robot? _____

6. If we leave the motor on for 6 sec, will it go farther than if the motor is only on for 3 sec?

7. What happens if we change the power of the motor, but not change the time it is left on?

8. The distance that the robot travels depends on two things. What are they?

9. If the triangle is equilateral, you can _____ the program after the first angle is turned.
10. List three other ways we could use the robots in geometry.

