Robotics and Congruent Triangles

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.
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