# VEXcode VR Beta
Lesson 3: Using the Distance Sensor

Direction: Select the correct answer for each item.

1. Which of the following sensors will report the distance between the sensor and the nearest solid object in front of it?

2. Which of the following blocks will allow the drivetrain to run forever?

3. Which of the following blocks reports the distance of the nearest object?

4. Which of the following units are used in reporting the distance?

*For numbers 5 and 6, kindly refer to the program below:*
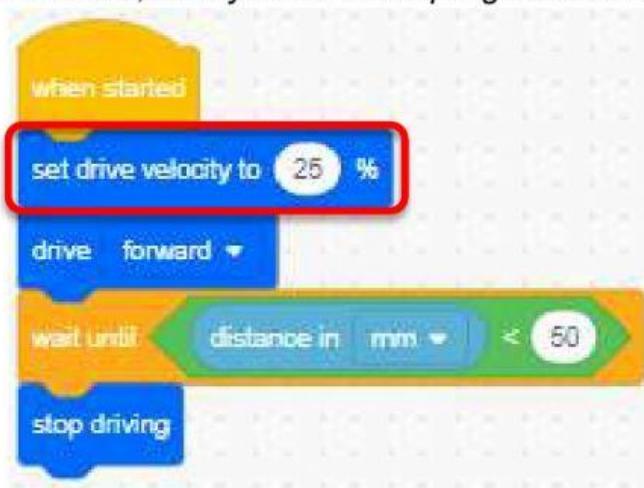
5. Why must one decrease the drive velocity to 25%?

6. What is the expected robot movement based on the program?

For numbers 7 and 8, kindly refer to the program below:
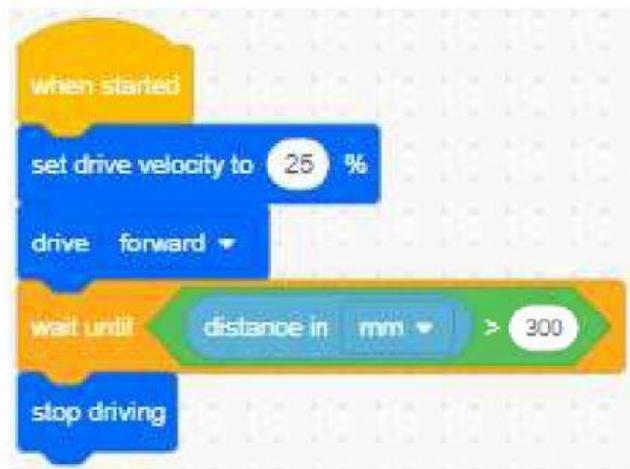
7. Mira downloaded the program into her virtual robot but, it did not move as expected. What is wrong with her program?

8. What must Mira do to fix the problem?

9. If the virtual robot is facing an object, it will move until…
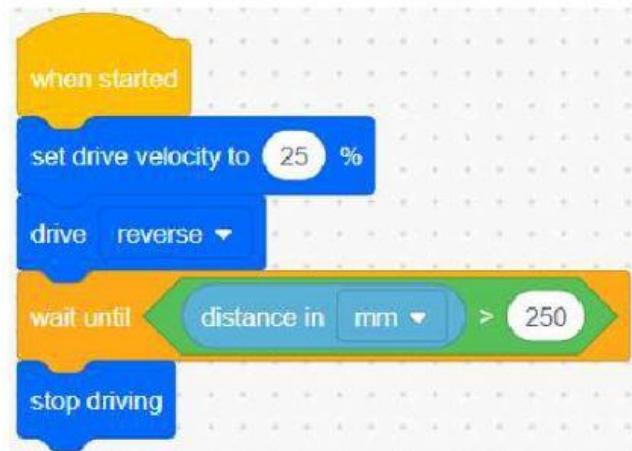
10. True or False: The Distance Sensor uses the speed that sound waves travel to measure the distance of an object.