Quiz – Lab4: Robot Wall avoidance

1. What is a purpose of Ultrasonic sensor in Sparki?
a. measuring speed
*b. measuring distance
c. measuring light intensity
d. measuring sound level

2. What is a distance if round trip time is 200 ms where the speed is 1000 m/s?
*a. 20 m
b. 200,000 m
c. 50 m
d. 50,000 m

3. If Sparki needs to measure the distance to the object in it right hand side, which command should be run before measure the distance?
a. sparki.servo(SERVO_INIT)
b. sparki.servo(SERVO_CENTER)
*c. sparki.servo(SERVO_RIGHT)
d. sparki.servo(SERVO_LEFT)

4. Which function measures the distance to the object?
a. sparki.moveForward()
*b. sparki.ping()
c. sparki.beep()
d. sparki.servo()

5. Distance measure in Sparki robot has vulnerability when the object is too far away. How this can be handled?
a. do not use Ultrasonic sensor
*b. add another line of protection
c. add more sensors
d. ignore it