Take Test: Test 1 (2018-19)

Test Information

Description	
Instructions	
Timed Test	This test has a time limit of 1 hour.This test will save and be submitted automatically when the time expires. Warnings appear when **half the time**, **5 minutes**, **1 minute**, and **30 seconds** remain.
Multiple Attempts	This Test allows 3 attempts. This is attempt number 1.
Force Completion	This Test can be saved and resumed at any point until time has expired. The timer will continue to run if you leave the test.
	This test does not allow backtracking. Changes to the answer after submission are prohibited.

Close Window | Save and Submit

⚠ Click **Submit** to complete this assessment.

Question **10** of **10**

Question 10

10 points | Save Answer

Consider a uniform linear array of N antennas. The carrier frequency is 2.4 GHz and the manifold vector for a signal with Direction-of-Arrival $(\theta = 30^0, \phi = 0^0)$ is

$$[-0.5902 - 0.8072i, 0.2089 + 0.9779i, 0.2089 - 0.9779i, -0.5902 + 0.8072i]^T$$

The origin of the Cartesian coordinates (array reference point) is the

(a) 1st antenna;
(b) 2nd antenna;
(c) 3rd antenna;
(d) 4th antenna;
(e) none of the above.

- a
- b
- c
- d
- e

⚠ Click **Submit** to complete this assessment.

Question **10** of **10**

Close Window | Save and Submit