

**UNIVERSITY OF FORT HARE  
DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION**

<b>AGE321: AGRICULTURAL DEVELOPMENT PLANNING TEST 1 - MEMORANDUM</b>
--

**Date:** 22 September 2017

**Marks:** 100

**Time:** 17h00 – 18h30

**Question 1 (20 Marks)**

"Economic growth is a necessary but not a sufficient condition for Economic Development". Explain this statement.

**ANSWER**

Economic growth leads to an expansion of the resources needed for development but it does not guarantee the equitable distribution of the outcomes of growth. In the absence of growth, it is impossible for development to happen, but it is not sufficient.

**Question 2 (20 Marks)**

a) Define "Economic Development" and explain how it differs from "Economic Growth".

**ANSWER**

*"Economic development" refers to an increase in the standard of living of a nations population associated with sustained growth from low income country to a modern one. It also refers to improvements in a variety of indicators such as literacy rate, life expectancy, poverty rates, etc.*

*On the other hand, "Economic growth" refers to an increase of a specific measure of a country such as:*

- National income (real or nominal)*
- Gross Domestic Product (GDP)*
- Per capita income*

b) Describe two main indicators by means of which growth and development are measured.

**ANSWER**

**Any of the two with definitions and explanations**

- National income (real or nominal): The total net value of all goods and services produced within a nation over a specified period of time, representing the sum of wages, profits, rents, interest, and pension payments to residents of the nation.*

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**C Cleary**



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web 1 use the distance formula 2 use the midpoint formula examples 1 find the distance between the points  $(3, 7)$  and  $(4, 10)$  2 determine whether the triangle formed by points  $A(2, 2)$ ,  $B(2, 1)$  and  $C(5, 4)$  is a right triangle 3 find the midpoint of the line segment joining the points  $P_1(6, 3)$  and  $P_2(4, 2)$  teaching notes

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web the blue text midpoint midpoint of the points  $(x_1, y_1)$  and  $(x_2, y_2)$  is given by the following formula  $\left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$  in this article we're going to derive this formula

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web how to find distance between two points to find distance between points  $A(x_a, y_a)$  and  $B(x_b, y_b)$  we use formula color blue  $d = \sqrt{(x_b - x_a)^2 + (y_b - y_a)^2}$  example find distance between points  $A(3, 4)$  and  $B(1, 3)$  solution in this example we have  $x_a = 3$ ,  $y_a = 4$ ,  $x_b = 1$ ,  $y_b = 3$  so we have

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web the midpoint between the two points  $(x_1, y_1)$  and  $(x_2, y_2)$  is the distance formula is derived from the pythagorean theorem

the distance between the two points  $x_1, y_1$  and  $x_2, y_2$  is the midpoint formula this video give the formula for finding the midpoint of two points and do one simple example to find the midpoint show step by step

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web 1 answer write the formula  $m = \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$  substitute 2 3 for  $x_1, y_1$  and 2 2 for  $x_2, y_2$   $m = \frac{2 + 2}{2}, \frac{3 + 2}{2}$   $m = 0 1 2, 0 1 2$  the midpoint of the line segment ab is  $m = 0 1 2$

*the distance and midpoint formulas mathplanet* - Jun 13 2023

web this method can be used to determine the distance between any two points in a coordinate plane and is summarized in the distance formula  $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$  the point that is at the same distance from two points  $a(x_1, y_1)$  and  $b(x_2, y_2)$  on a line is called the midpoint you

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web distance and midpoint review quiz answer the following questions suggestion i midpoint 1 find the midpoint between a 0 1 and 8 3 b 11 4 and 6 4 c 17 7 and 7 6 2 answer the following the midpoint of ab is 3 3 plot points and use graphs to solutions if point a 2 4 what is point b b il distance

*11 2 distance and midpoint formulas and circles* - Aug 15 2023

web feb 14 2022 use the distance formula to find the distance between the points 5 3 and 7 2 solution write the distance formula  $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$  label the points  $x_1, y_1 = 5, 3$   $x_2, y_2 = 7, 2$  and substitute  $d = \sqrt{7 - 5^2 + 2 - 3^2}$  simplify  $d = \sqrt{122 - 52}$   $d = 144 - 25$