وزارة التربية والتعليم
الإدارة المركزية لتطوير المناهج
مكتب مستشار الرياضيات

برعاية معالي وزير التربية والتعليم

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أداءات وتقييمات لمنهج الرياضيات

للصف الثالث الإعدادي

للعام الدراسي 2024 / 2025

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مراجـــعة

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الصف الثالث الإعدادي -تقييمات اسبوعية - الأسبوع الثانى(١)

Algebra (Exercises on solving two first-degree equations in two variables graphically and algebraically.)

Geometry (Positions of a point, line, and circle relative to a circle.)

1) Find in R x R the solution set of the two following equations:

$x + 2y = 8 , 3x - y = 10$

2) Two real numbers have a sum of 42 and a difference of 16. Find the two numbers.

3) Find the value of k : If the equations $x + 4y = 7$ and $3x + ky = 21$ have an infinite number of solutions in R x R

4) If M, N are two circles with radii of 8 cm and 5 cm respectively, find the length of $\overline{MN}$ in each of the following cases

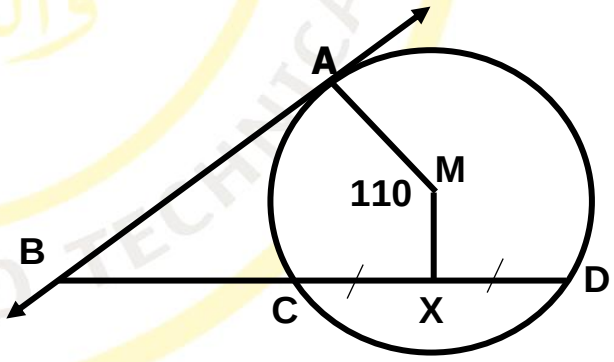
1) the two circles touch externally 2) the two circles touch internally

5) In the following figure:

If xis the midpoint of $\overline{DC}$,

$\overleftrightarrow{AB}$ is a tangent to the circle at A,

if ($m\angle$AMX) = 110°, find ($m\angle$B).



الصف الثالث الإعدادي -تقييمات اسبوعية - الأسبوع الثانى(٢)

Algebra (Exercises on solving two first-degree equations in two variables graphically and algebraically.)

Geometry (Positions of a point, line, and circle relative to a circle.)

1) Find in R x R the solution set of the two following equations:

3x + y = 5 , x + 2y = 5

2) Two real numbers have a sum of 30 and a difference of 6. Find the two numbers.

3) If the represented by the equations x + 3y = 4 and x + ky = 7 are parallel, then find the value of k.

4) If M and N are two circles with radii of 9 cm and 4 cm respectively, determine the position of each relative to the other in each of the following cases :

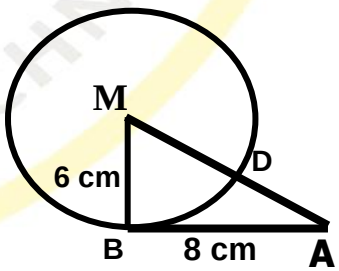
1) MN = 13 cm 2) MN = 15 cm 3) MN = 5 cm

5) In the opposite figure:

$\overline{AB}$ **is a tangent segment of the circle M at B ,**

MB = 6 cm , AB = 8 cm,

find the length of $\overline{DA}$



الصف الثالث الإعدادي -تقييمات اسبوعية - الأسبوع الثانى(٣)

Algebra (Exercises on solving two first-degree equations in two variables graphically and algebraically.)

Geometry (Positions of a point, line, and circle relative to a circle.)

1) Find in R x R the solution set of the two following equations:

3x + y = 7 , x + y = 3

2) Two real numbers have a sum of 50 and a difference of 20. Find the two numbers.

3) If the represented by the equations x + 3y = 4 and 5x + ky = 20 are coincident, then find the value of k.

4) If M, N are two circles with radii of 7 cm and 3 cm respectively, find the length of $\overline{MN}$ in each of the following cases

1) the two circles touch externally 2) the two circles touch internally

5) In the following figure:

A circle M has a circumference of 44 cm,

$\overline{AB}$ is a diameter in it, $\overline{BC}$ is a tangent

to the circle at B,($m\angle C$) = 60°, find the length of $\overline{BC}$.

Assume that $\pi = \frac{22}{7}$