برعاية معالي وزير التربية والتعليم السيد الأستاذ/ محمد عبد اللطيف

وتوجيهات رئيس الإدارة المركزية لتطوير المناهج

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إشراف علمي

مستشار الرياضيات

أ/ منال عزقول

أداءات وتقييمات لمنهج الرياضيات

للصف الأول الثانوي

للعام الدراسي 2024 / 2025

إعـــداد

أ/ إيهاب فتحي

مراجـــعة

أ/ عفاف جاد   أ/ عصام الجـــزار

ترجـــمة

أ/ محسب علي

مراجـــعة الترجـــمة

أ/ شريف البرهامي

First group:

(1) If L, m are the two roots of the equation $2x^2 - 4x + 5 = 0$ form the quadratic equation of roots $5L^2$, $5m^2$

(2) If L, m are the two roots of the equation $x^2 - 5x + 3 = 0$ find the value of: $(L - m)^2$

(3) Find the general soluation of the equation: $sin5\theta = cos\theta$.

(4) If $tan3\theta = cot2\theta$, where θ is the measure of an acute positive angle. Find θ.

(5) In the opposite figure:
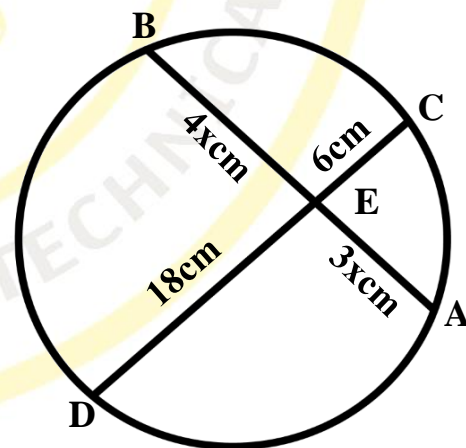$\overline{AB}, \overline{CD}$ are two chords of a circle
$\overline{AB} \cap \overline{CD} = \{E\}$,
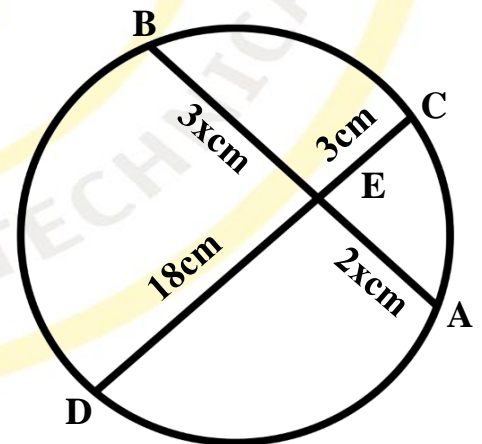$EA = (3x)cm$,
$EC = 6cm$, $ED = 18cm$
$EB = (4x)cm$,
 find the value of x

Second group:

(1) If L, m are the two roots of the equation $2x^2 - 6x + 3 = 0$ form the quadratic equation of roots $4L^2, \ 4m^2$

(2) If L, m are the two roots of the equation $x^2 - 6x + 5 = 0$ find the value of: $(L - m)^2$

(3) Find the general soluation of the equation: $sin7\theta = cos2\theta$.

(4) If $tan5\theta = cot\theta$, where θ is the measure of an acute positive angle. Find θ.

(5) In the opposite figure:
$\overline{AB}, \overline{CD}$ are two chords of a circle
$\overline{AB} \cap \overline{CD} = \{E\}$,
$EA = (2x)cm$,
$EC = 3cm, ED = 18cm$
$EB = (3x)cm$,
 find the value of x

Third group:

(1) If L, m are the two roots of the equation $2x^2 - 8x + 3 = 0$ form the quadratic equation of roots $2L^2,\ 2m^2$

(2) If L, m are the two roots of the equation $x^2 - 8x + 3 = 0$ find the value of: $(L - m)^2$

(3) Find the general soluation of the equation: $sin6\theta = cos3\theta$.

(4) If $tan3\theta = cot\theta$, where θ is the measure of an acute positive angle. Find θ.

(5) In the opposite figure:
$\overline{AB}, \overline{CD}$ are two chords of a circle
$\overline{AB} \cap \overline{CD} = \{E\}$,
$EA = 6cm$,
$EC = x\ cm, ED = (6x)cm$
$EB = 9\ cm$,
find the value of x