وزارة التربية والتعليم
الإدارة المركزية لتطوير المناهج
مكتب مستشار الرياضيات

برعاية معالي وزير التربية والتعليم

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وتوجيهات رئيس الإدارة المركزية لتطوير المناهج

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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

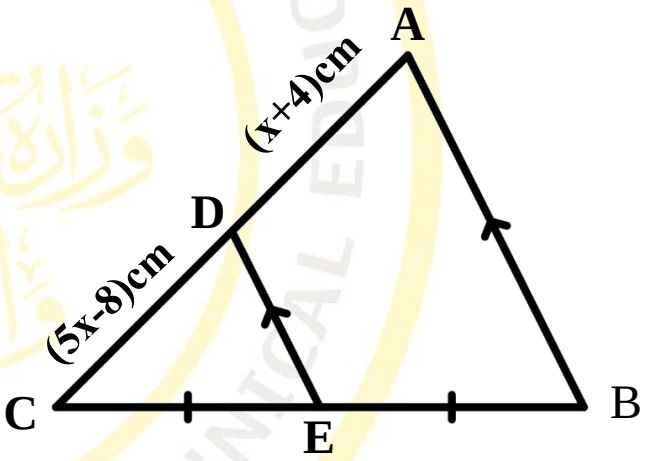
First group:

(1) Investigat the sign of the function $f: f(x) = 7x - x^2 - 10$, representing this on the number line.

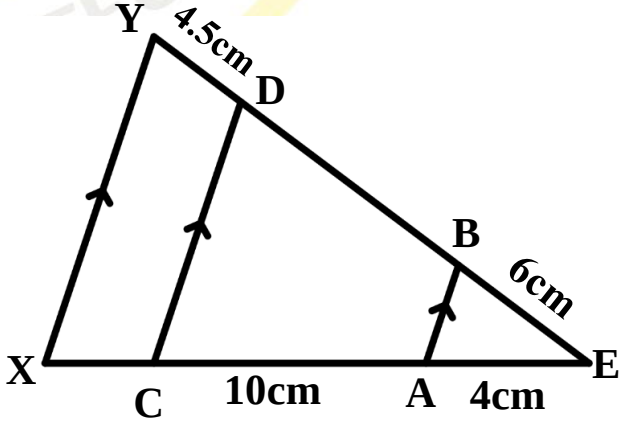
(2) If L, m *are two roots of the equation* $x^2 - 5x + 6 = 0$ where $L > m$ find the quadrelaterl equation of roots $L + 2, m + 2$.

(3) If $2cos\theta = -1, where\ 180° < \theta < 270°$ find the measure of angle θ.

(4) In the opposite figure:
ABC is a triangle E is the mid point
Of $\overline{BC}, D \in \overline{AC}\ where \overline{DE}\ //\ \overline{AB}$
Find the value of x.



(5) In the opposite figure
$\overline{AB}\ //\ \overline{CD}\ //\ \overline{XY}$, AE = 4 cm,
AC = 10 cm, BE = 6 cm,
DY = 4.5 cm, find the length
Of $\overline{BD}, \overline{CX}$



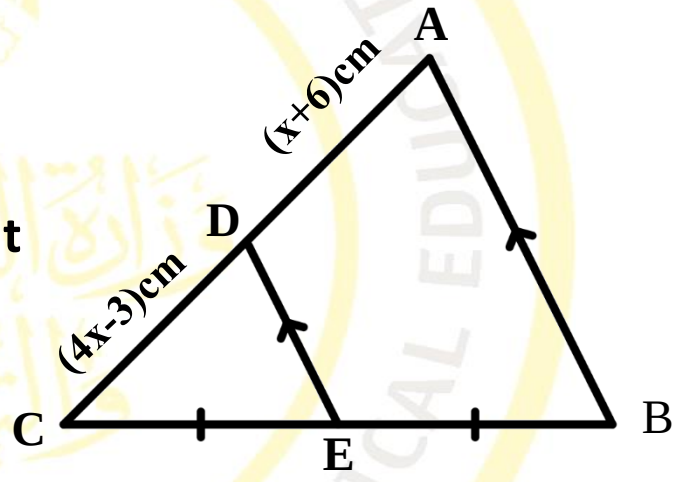
Second group:

(1) Investigat the sign of the function : $f(x) = 8x - x^2 - 15$, representing this on the number line.

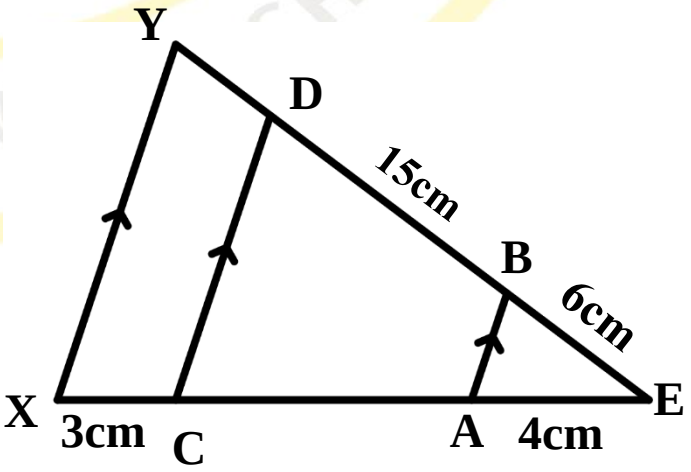
(2) If L, m are two roots of the equation $x^2 - 5x + 6 = 0$ where $L > m$ find the quadrelaterl equation of roots $L + 1, m + 1$.

(3) If $2cos\theta = -1, where\ 90° < \theta < 180°$ find the measure of angle θ.

(4) In the opposite figure:
ABC is a triangle E is the mid point
Of $\overline{BC}, D \in \overline{AC}\ where \overline{DE}\ //\ \overline{AB}$
Find the value of x.



(5) In the opposite figure
$\overline{AB}\ //\ \overline{CD}\ //\ \overline{XY}$, AE = 4 cm,
XC = 3 cm, BD = 15 cm,
BE = 6 cm, find the length
Of $\overline{YD}, \overline{CA}$



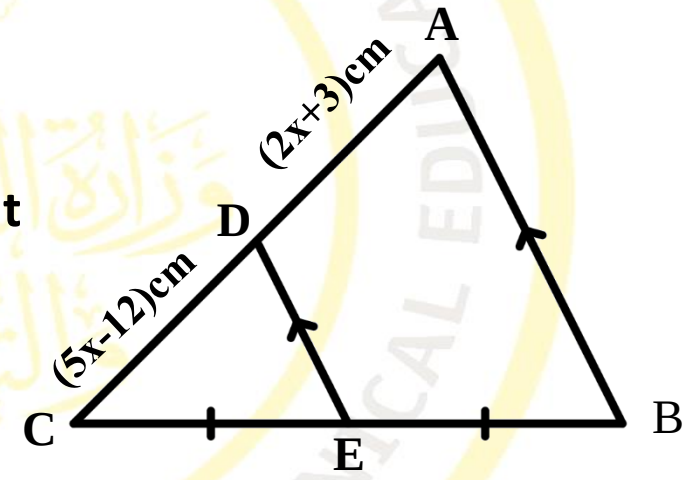
Third group:

(1) Investigat the sign of the function : $f(x) = 7x - x^2 - 12$, representing this on the number line.

(2) If L, m *are two roots of the equation* $x^2 - 5x + 6 = 0$ where $L > m$ find the quadrelaterl equation of roots $L + 3, m + 3$.

(3) If $2cos\theta = 1, where\ 0° < \theta < 90°$ find the measure of angle θ.

(4) In the opposite figure:
ABC is a triangle E is the mid point
Of $\overline{BC}, D \in \overline{AC}\ where \overline{DE}\ //\ \overline{AB}$
Find the value of x.



(5) In the opposite figure
$\overline{AB}\ //\ \overline{CD}\ //\ \overline{XY}$, AC = 10 cm,
XC = 3 cm, BD = 15 cm,
BE = 6 cm, find the length
Of $\overline{AE}, \overline{DY}$