



وزارة التربية والتعليم
الإدارة المركزية لتطوير المناهج
مكتب مستشار الرياضيات

برعاية معالي وزير التربية والتعليم السيد الأستاذ / محمد عبد اللطيف

ونوجيهات رئيس الإدارة المركزية لتطوير المناهج

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مستشار الرياضيات

أ / منال عزقول

أداءات و تقييمات

للسنة الأولى الإعدادية

للعام الدراسي ٢٠٢٤ / ٢٠٢٥

إعداد

أ / محمد السيد أحمد

مراجعة

أ / عماد حسن عمر

ترجمة

أ / مي أحمد الطو

أ / أحمد حسن أبو المعاطي

مراجعة الترجمة

أ / بلال محمد رومية

أ / أماني الشهاوي



Second Preparatory Grade

First Academic Semester

Performances Class

A for the third Week : First Unit

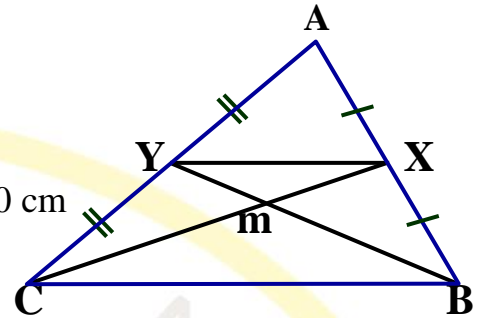
Subject: Mathematics

Lesson (3): Continue to find an approximate value of the number Rational – the set of real numbers \mathbb{R} , exercises on averages of the triangle

Answer the following questions:

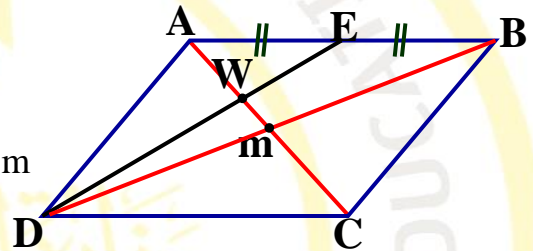
(1) In the opposite figure:

ABC is a triangle in which X is the midpoint of \overline{AB} ,
Y is the midpoint of \overline{AC} , $MX = 3$ cm, $MB = 5$ cm, $BC = 10$ cm
Calculate: The Perimeter of $\triangle XYM$



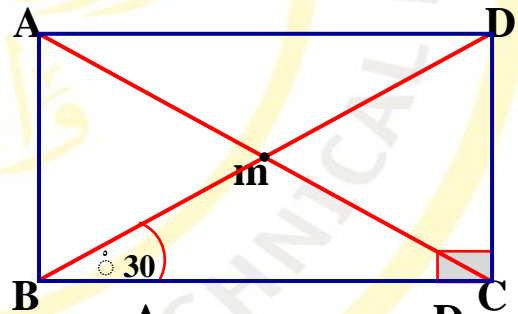
(2) In the opposite figure:

ABCD is a parallelogram, its diagonals intersect at M
, E is the midpoint of AB, $\overline{AC} \cap \overline{DE} = \{ W \}$ $AC = 18$ cm
Calculate: AW, WM



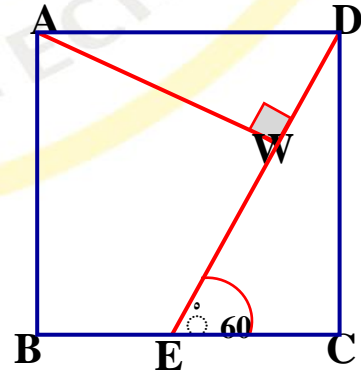
(3) In the opposite figure:

ABCD is a rectangle, its diagonals intersect at M
, $AC = 18$ cm
Calculate: CD



(4) In the opposite figure:

ABCD is a Square, $\overline{AW} \perp \overline{CE}$, $m(\angle DEC) = 60^\circ$
, $DW = 6$ cm
Calculate: The Perimeter of Square ABCD



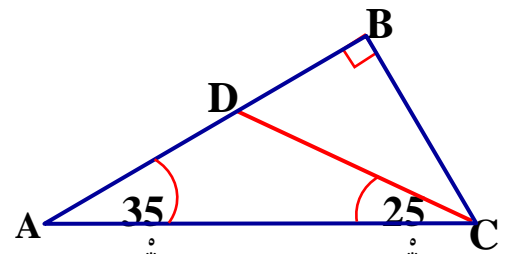


(5) In the opposite figure:

$$m(\angle B) = 90^\circ, m(\angle A) = 35^\circ, m(\angle ACD) = 25^\circ$$

$$BD = 7 \text{ cm}$$

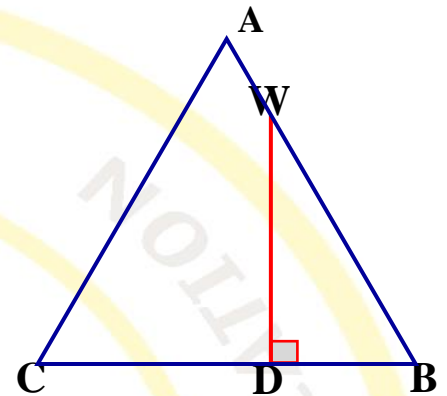
Calculate: CD



(6) In the opposite figure:

ΔABC Equilateral triangle, $W \in AB$, $BW = 8 \text{ cm}$

$WD \perp BC$, Calculate: BD

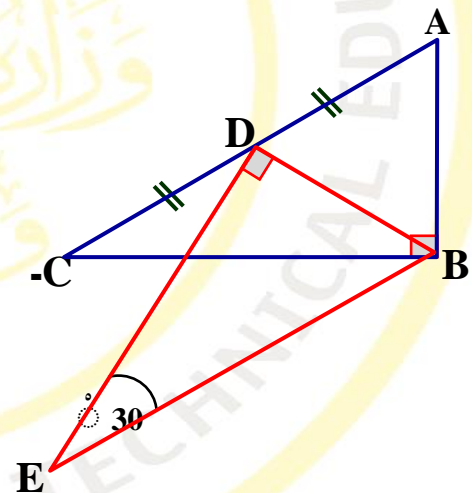


(7) In the opposite figure:

$$m(\angle B) = m(\angle D) = 90^\circ, m(\angle E) = 30^\circ,$$

$AC = 30 \text{ cm}$, D is the midpoint of AC

Calculate: BE



(8) Represent the following number $\sqrt{13}$ on the number line.

(9) Finding an approximated value $\sqrt{8}$

(10) Find the nearest integer to the side length of the Cube Whose Volume 48 cm^3

(11) Arrange the following numbers ascendingly: 25% , -11.3 , $\sqrt{4}$, $\sqrt[3]{8}$, $\sqrt[3]{-7}$, $-\sqrt{24}$, π



- (12) Write four irrational numbers included between 5 , 6.
- (13) Write three negative irrational numbers less than 2
- (14) Find in \mathcal{R} the S.S of the following equations: $3X^3 - 4 = 5$
- (15) Find in \mathcal{R} the S.S of the following equations: $\frac{1}{2}X^2 + 7 = 13$

