



وزارة التربية والتعليم
الإدارة المركزية لتطوير المناهج
مكتب مستشار الرياضيات

برعاية معالي وزير التربية والتعليم السيد الأسناذ / محمد عبد اللطيف

ونوجيهات رئيس الإدارة المركزية لتطوير المناهج

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مستشار الرياضيات

أ / منال عزقول

أداءات و تقييمات

للسف الأول الاعدادي

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

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Second Preparatory Grade

First Academic Semester

HomeWork

A for the third Week : First Unite

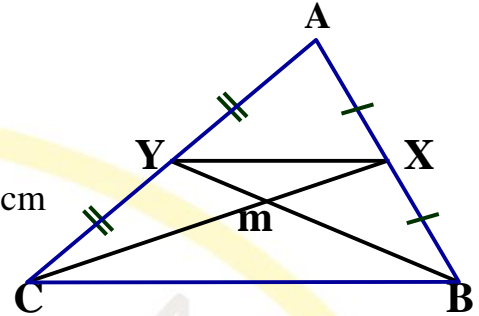
Subject: Mathematics

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

Answer the following questions:

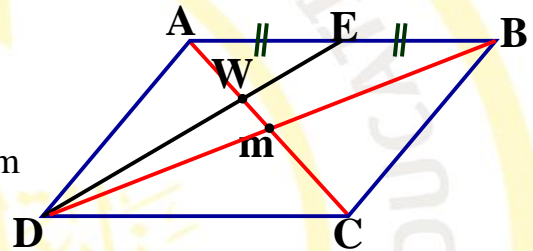
(1) In the opposite figure:

ABC is a triangle in Which X is the midpoint of \overline{AB} ,
Y is the midpoint of \overline{AC} , $MX = 4$ cm, $MY = 2$ cm , $XY = 5$ cm
Calculate: The Perimeter of ΔCBM



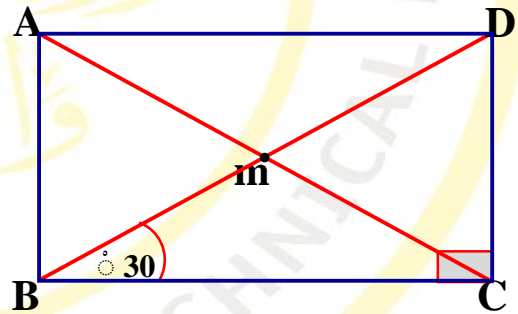
(2) In the opposite figure:

ABCD is a parallelogram, its diagonals intersect at M
, E is the midpoint of AB, $\overline{AC} \cap \overline{DE} = \{ W \}$ $AM = 4$ cm
Calculate: AC, WM



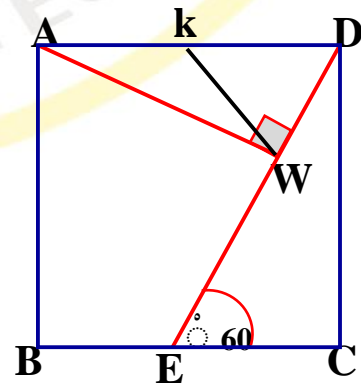
(3) In the opposite figure:

ABCD is a rectangle, its diagonals intersect at M
, $CD = 15$ cm
Calculate: BD



(4) In the opposite figure:

ABCD is a Square, $\overline{AW} \perp \overline{CE}$, $m(\angle DEC) = 60^\circ$
, $AD = 8$ cm, K is the midpoint of AD,
Calculate: The Perimeter of Square ABCD

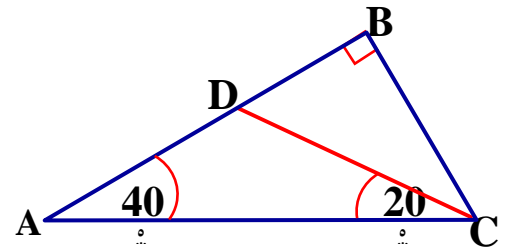


(5) In the opposite figure:

$$m(\angle B) = 90^\circ, m(\angle A) = 40^\circ, m(\angle ACD) = 20^\circ$$

$$BD = 8 \text{ cm}$$

Calculate: CD

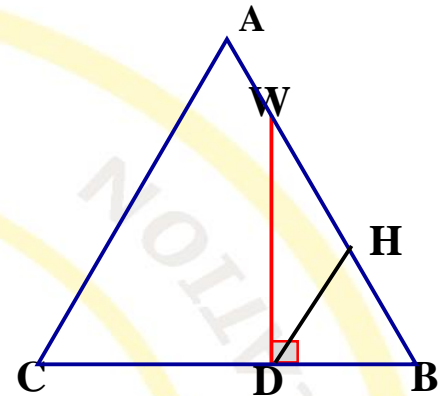


(6) In the opposite figure:

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

H is the midpoint of \overline{WB} ,

$\overline{WD} \perp \overline{BC}$, Calculate: BD, DC

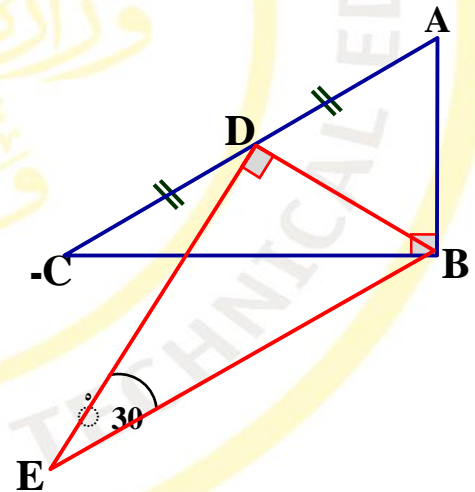


(7) In the opposite figure:

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

$BD = 10 \text{ cm}$, D is the midpoint of \overline{AC}

Calculate: BE, AC



(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: $\frac{1}{2}X^2 + 7 = 13$

