وزارة التربية والتعليم
الإدارة المركزية لتطوير المناهج
مكتب مستشار الرياضيات

برعاية معالي وزير التربية والتعليم

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والمشرف علي الإدارة المركزية لتطوير المناهج

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أداءات وتقييمات لمنهج الرياضيات

للصف الثالث الإعدادي

للعام الدراسي 2024 / 2025

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الصف الثالث الإعدادى -تقييمات اسبوعية - الأسبوع الرابع (١)

Algebra (Solving a quadratic equation in one unknown algebraically using the general formula)

Geometry (Continuing The relationship of the chords of the circle to its center)

1) If x = 3 is one of the soluation of the equation $x^2 - kx - 6 = 0$ in R,

then find the value of K.

2) Find the solution set of the following equation using the general formula: $2x^2 - 5x + 1 = 0$ (rounding the result to two decimal places)

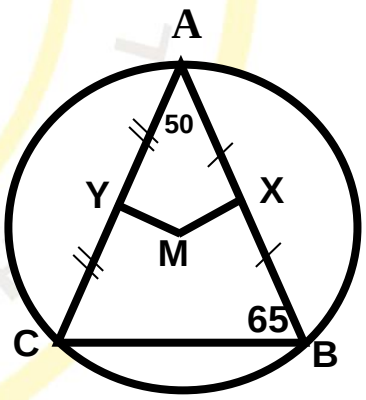
3) Find the solution set of the following equation using the general formula: x(x - 4) = -1 (rounding the result to three decimal places)

4) In the following figure:

$m(\angle A) = 50^o$, $m(\angle B) = 65^o$

X and Y are the midpoints of $\overline{AB}$, $\overline{AC}$ respectively,

(1) find $m(\angle XMY)$ (2) prove that MX = MY

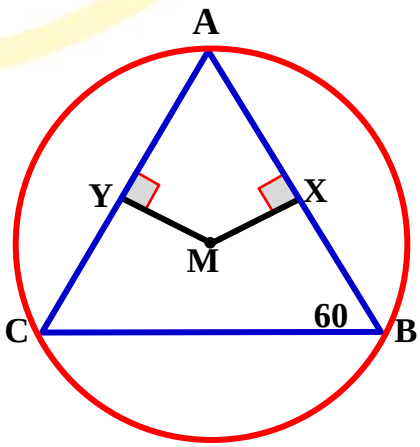


5) In the opposite figure

MX = MY , $\overline{MX} \perp \overline{AB}$, $\overline{MY} \perp \overline{AC}$

if AB = 10 cm, $m(\angle B) = 60^o$,

Find with proof the perimeter of Δ ABC.



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

Algebra (Solving a quadratic equation in one unknown algebraically using the general formula)

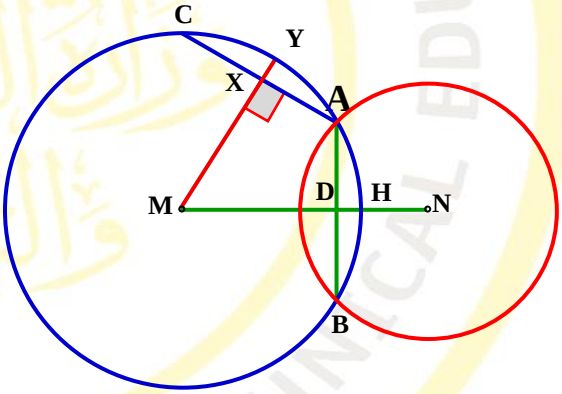
Geometry (Continuing The relationship of the chords of the circle to its center)

1) If x = 2 is one of the soluation of the equation $x^2 - kx - 6 = 0$ in R, then find the value of K.

2) Find the solution set of the following equation using the general formula: $2x^2 - 10x = 1$ (rounding the result to two decimal places)

3) Find the solution set of the following equation using the general formula: $2x^2 = 3(2 - x)$ (rounding the result to three decimal places)

4) In the following figure:

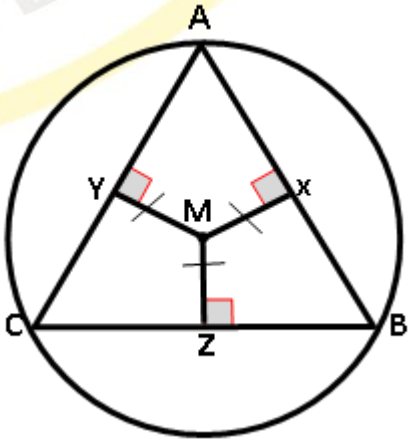


M and N are two intersecting circles at the points A and B , Draw $\overline{MX} \perp \overline{AC}$ which intersects the circle M at Y, draw $\overline{MN}$ to intersects $\overline{AB}$ at D and the circle M at H, AC = AB, prove that XY = DH.

5) In the opposite figure:

MX = MY = MZ , AB = 10 cm ,

find m($\angle B$) and the perimeter of Δ ABC.



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

Algebra (Solving a quadratic equation in one unknown algebraically using the general formula)

Geometry (Continuing The relationship of the chords of the circle to its center)

1) If the solution set of the equation $x^2 - kx + 4 = 0$ in R is {-2},

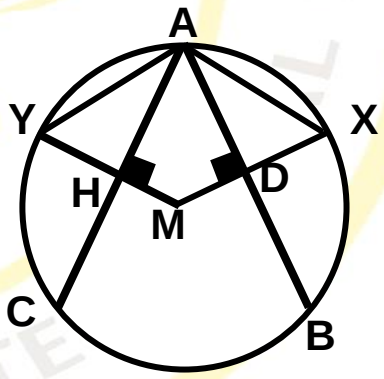
then find the value of K.

2) Find the solution set of the following equation using the general formula: $x^2 - 5x = -2$ (rounding the result to two decimal places)

3) Find the solution set of the following equation using the general formula: $3x^2 = 5x - 1$ (rounding the result to three decimal places)

4) In the following figure, AB = AC,

$\overline{MD} \perp \overline{AB}$, $\overline{MH} \perp \overline{AC}$, prove that:



(1) DX = HY

(2) m($\angle XAB$) = m($\angle YAC$)

5) In the opposite figure:

BC = DH , x is mid point of $\overline{BC}$,

Y is mid point of $\overline{DH}$, prove that AB = AD