وزارة التربية والتعليم و التعليم الفنى
الادارة المركزية للتعليم العام
إدارة تنمية مادة الرياضيات

برعاية معالي وزير التربية والتعليم و التعليم العام

السيد الأستاذ/ محمد عبد اللطيف

وتوجيهات رئيس الادارة المركزية للتعليم العام

د/ هالة عبد السلام خفاجى

إشراف علمي

مستشار الرياضيات

أ/ منال عزقول

أداءات وتقييمات لمنهج الرياضيات

للصف الأول الثانوي لغات

الفصل الدراسى الثانى

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الأسبوع السابع

إعداد

أ/ إيهاب فتحى أ/ عصام الجزار

ترجمة

أ/ محمد على

مراجعة الترجمة

أ/ عثمان مصطفى عثمان أ/ عمرو فاروق

(7) الرياضيات لغات للصف الأول الثانوي الأداء الصفى الأسبوع السابع (7)

First Algebra:

1) Prove that $\begin{vmatrix} 3 & 2 & 1 \\ 6 & 4 & -1 \\ 2 & 5 & 3 \end{vmatrix} = \begin{vmatrix} 3 & 6 & 2 \\ 2 & 4 & 5 \\ 1 & -1 & 3 \end{vmatrix}$.

2) Without expanding the determinant find the value of $\begin{vmatrix} 2 & 1 & 5 \\ 3 & 0 & 4 \\ 2 & 1 & 5 \end{vmatrix}$.

3) Without expanding the determinant find the value of $\begin{vmatrix} 3 & -1 & 2 \\ 0 & 0 & 0 \\ 4 & 5 & 3 \end{vmatrix}$.

4) If $\begin{vmatrix} a & d & m \\ b & e & n \\ c & h & z \end{vmatrix} = 15, find\ the\ value\ of \begin{vmatrix} 3a & d & 2m \\ 3b & e & 2n \\ 3c & h & 2z \end{vmatrix}$.

Second Trignometry:

5) Solve the right angled triangle ABC at B, in which AB = 8 cm, $m(\angle C) = 34°$.

6) Solve the right angled triangle ABC at B, in which AC = 26cm, $m(\angle C) = 53°$.

Third Geometry:

7) Find the slope of the straight line passes by the two points (3, 5), (-2, 1).

8) Find the slope of the straight line which parallel to the straight line whose equation 5x – y + 3 = 0

9) Find the equation of the straight line passes by the point (3, 2), and its direction vector is $\vec{d} = (3, 2)$.

10) Find the parametric equations of the straight line passes by the point (1, 4), and its direction vector is $\vec{d} = (2, 5)$.

(7) الرياضيات لغات — للصف الأول الثانوي — الأداء المنزلى — الأسبوع السابع (7)

First Algebra:

1) Prove that $\begin{vmatrix} 2 & -4 & 5 \\ 1 & 2 & -3 \\ 7 & 1 & 0 \end{vmatrix} = \begin{vmatrix} 2 & 1 & 7 \\ -4 & 2 & 1 \\ 5 & -3 & 0 \end{vmatrix}$.

2) Without expanding the determinant find the value of $\begin{vmatrix} 1 & 2 & 1 \\ 5 & 0 & 5 \\ 4 & 7 & 4 \end{vmatrix}$.

3) Without expanding the determinant find the value of $\begin{vmatrix} 0 & 0 & 0 \\ 3 & 2 & 7 \\ 2 & -1 & 5 \end{vmatrix}$.

4) If $\begin{vmatrix} a & d & m \\ b & e & n \\ c & h & z \end{vmatrix} = 6, find\ the\ value\ of \begin{vmatrix} -2a & -2d & -2m \\ b & e & n \\ 4c & 4h & 4z \end{vmatrix}$.

Second Trigonometry:

5) Solve the right angled triangle ABC at B, in which AB = 9 cm, $m(\angle C) = 28°$.

6) Solve the right angled triangle ABC at B, in which AC = 11cm, $m(\angle C)=72^{o}$.

Third Geometry:

7) Find the slope of the straight line passes by the two points (1, -2), (3, 4).

8) Find the slope of the straight line which parallel to the straight line whose equation 4x + 2y + 7 = 0

9) Find the equation of the straight line passes by the point (4, -7), and its direction vector is $\vec{d} = (0, 2)$.

10) Find the parametric equations of the straight line passes by the point (3, -2), and its direction vector is $\vec{d} = (4, -2)$.

(7) الرياضيات لغات — للصف الأول الثانوي — التقييمات الأسبوعية — الأسبوع السابع (7)

First Group:

1) Without expanding the determinant, find the value of $\begin{vmatrix} 7 & -1 & 1 \\ 2 & 3 & 5 \\ 2 & 3 & 5 \end{vmatrix}$.

2) If $\begin{vmatrix} a & d & m \\ b & e & n \\ c & h & z \end{vmatrix} = 8, find\ the\ value\ of \begin{vmatrix} 3a & d & -2m \\ 3b & e & -2n \\ 3c & h & -2z \end{vmatrix}$.

3) Solve the right-angled triangle ABC at B,

4) in which AC = 16 cm, $m(\angle C) = 40°$.

5) Find the slope of the straight line passes by the two points (-2, 7), (1, 3).

6) Find the parametric equations of the straight line passes by the point (-1, 0), and its direction vector is $\vec{d} = (3, 3)$.

Second Group:

1) Without expanding the determinant, find the value of $\begin{vmatrix} 1 & 4 & 4 \\ 1 & 4 & 4 \\ 3 & 8 & 7 \end{vmatrix}$.

2) If $\begin{vmatrix} a & d & m \\ b & e & n \\ c & h & z \end{vmatrix} = 2, find\ the\ value\ of \begin{vmatrix} a & d & m \\ 4b & 4e & 4n \\ 3c & 3h & 3z \end{vmatrix}$.

3) Solve the right angled triangle ABC at B in which AC = 21 cm, $m(\angle C) = 21°$.

4) Find the slope of the straight line passes by the two points (0, 3), (2, 1).

5) Find the parametric equations of the straight line passes by the point (0, 1), and its direction vector is $\vec{d} = (2, 2)$.

Third Group:

1) Without expanding the determinant, find the value of $\begin{vmatrix} 3 & 3 & 4 \\ 2 & 2 & 7 \\ 1 & 1 & 11 \end{vmatrix}$.

2) If $\begin{vmatrix} a & d & m \\ b & e & n \\ c & h & z \end{vmatrix} = 9, find\ the\ value\ of \begin{vmatrix} a & 2d & 4m \\ b & 2e & 4n \\ c & 2h & 4z \end{vmatrix}$.

3) Solve the right angled triangle ABC at B

4) in which AC = 12 cm, $m(\angle C) = 35°$.

5) Find the slope of the straight line passes by the two points (-3, 8), (7, 1).

6) Find the parametric equations of the straight line passes by the point (0, -1), and its direction vector is $\vec{d} = (1, 1)$.