



وزارة التربية والتعليم

الإدارة المركزية لتطوير المناهج

إدارة تنمية مادة الرياضيات

أداءات ونقيمات لمنهج الرياضيات

للسف الأول الثانوى

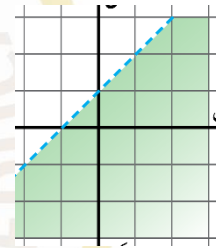
للعام الدراسى 2024 / 2025

الرياضيات

الأداء الصفّي (الأسبوع الثاني عشر) – الرياضيات

First Algebra:

- 1) Mention two points that belong to the solution set of the inequality $y - 2x < 2$ and two points that do not belong to it.
- 2) Represent graphically the solution set of the inequality $2x - y \geq 6$ in the coordinate plane $\mathbb{R} \times \mathbb{R}$.
- 3) Represent graphically the solution set of the inequality $y < 5x - 5$ in the coordinate plane $\mathbb{R} \times \mathbb{R}$.
- 4) Write the inequality that satisfies the set of
Solving the shaded area in the figure opposite.



Second Trigonometry:

- 5) Find the area of a circular segment with a radius of 10 cm. and the measure of its angle 2.2^{rad} approximate the answer to the nearest two decimal places.
- 6) Find the area of the circular segment whose radius is 8 cm length and the measure of its angle is equal to 135° .
- 7) Find the area of the circular segment whose radius is 14 cm length and its arc length is 22 cm.
- 8) Find the area of the largest circular segment whose chord is equal to the length of the radius of its circle, which is equal to 12 cm.

Third Geometry:

- 9) Find the angle that the perpendicular to the line $\vec{r} = (0, 5) + k(\sqrt{3}, 1)$ makes with the positive direction of the x-axis.
- 10) If θ is the measure of the acute angle between the two straight lines $x - 6y + 6 = 0, ax - 2y + 4 = 0$ and $\tan\theta = \frac{3}{4}$, find the value of a.

