



وزارة التربية والتعليم

الإدارة المركزية لتطوير المناهج

إدارة تنمية مادة الرياضيات

أداءات ونقيمات لمنهج الرياضيات

للفصل الأول الإعدادي

للعام الدراسي 2024 / 2025

الرياضيات



Math-ENGLISH-Prep1-TR2-C-W12
Third Unit: Geometry and Measurement

Lessons (Composite of Geometrical Transformations – Unit Three Assessment)

- 1- A square with area 72 square inches, find its diagonal's length.
- 2- If the length of the middle base of a trapezium is 10 cm , and its height is 6 cm , then calculate its area.
- 3- A rhombus, the lengths of its two diagonals are 16 cm , 18 cm , and its side's length is 6 cm , find its height.
- 4- Draw an angle of measure 80° , then bisect it using the ruler and the compass.
- 5- Draw the line segment \overline{AB} where: $A(2, 1)$, $B(3, 5)$, then draw its image under the reflection in Y - axis followed by the reflection in X - axis.
- 6- Draw the triangle ABC where: $A(-1, 1)$, $B(3, 1)$, $C(3, 4)$, then draw its image under the reflection in X - axis followed by the reflection in Y - axis.
- 7- Draw the line segment \overline{AB} where: $A(-1, 0)$, $B(0, 3)$, then draw its image under the rotation $R(O, 90^\circ)$, followed by the rotation $R(O, 180^\circ)$.
- 8- Find the image of the point $(5, 3)$ under the rotation $R(O, 90^\circ)$, followed by the rotation $R(O, -90^\circ)$.
- 9- Find the image of the point $(-2, 1)$ under the rotation $R(O, -90^\circ)$, followed by the rotation $R(O, 360^\circ)$.
- 10- Draw the triangle ABC where: $A(-1, 2)$, $B(3, 1)$, $C(0, 4)$, then draw its image under the translation $(2, 2)$.