

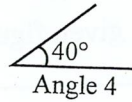
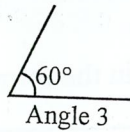
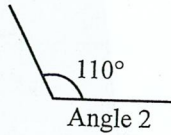
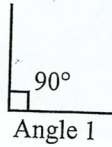
# Shape and Space



## UNIT TEST

Use the following information to answer the next question.

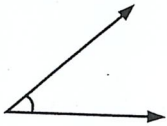
Harry used a protractor to draw these angles.



- Which of the angles that Harry drew is an obtuse angle?  
 A. Angle 1  
 B. Angle 2  
 C. Angle 3  
 D. Angle 4

- Which of the following angles is labelled correctly?

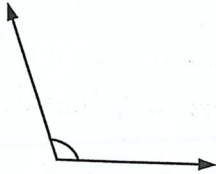
A. Obtuse angle



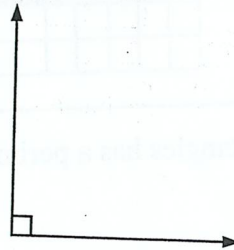
B. Acute angle



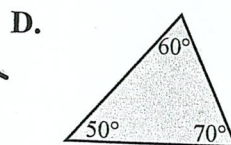
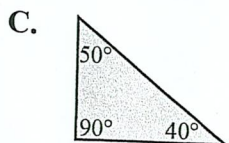
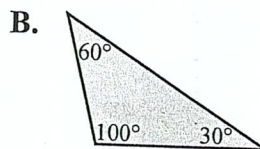
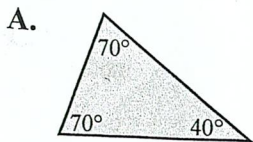
C. Straight angle



D. Right angle



- According to the given measures, which of the following triangles is **not** correctly constructed?



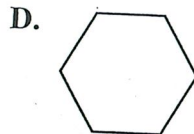
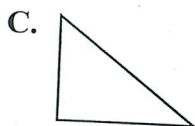
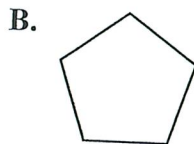
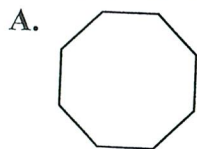




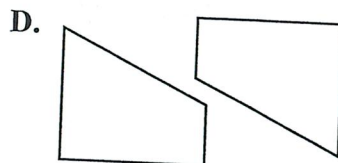
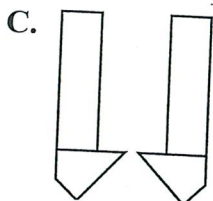
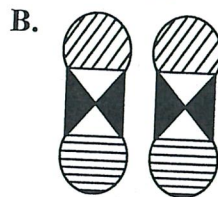
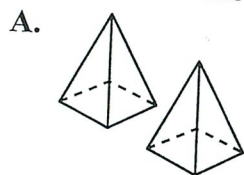


9. A polygon is said to be regular when
- A. all its sides and angles are equal
  - B. neither its sides nor its angles are equal
  - C. its angles are equal but all its sides are not
  - D. its sides are equal but all its angles are not

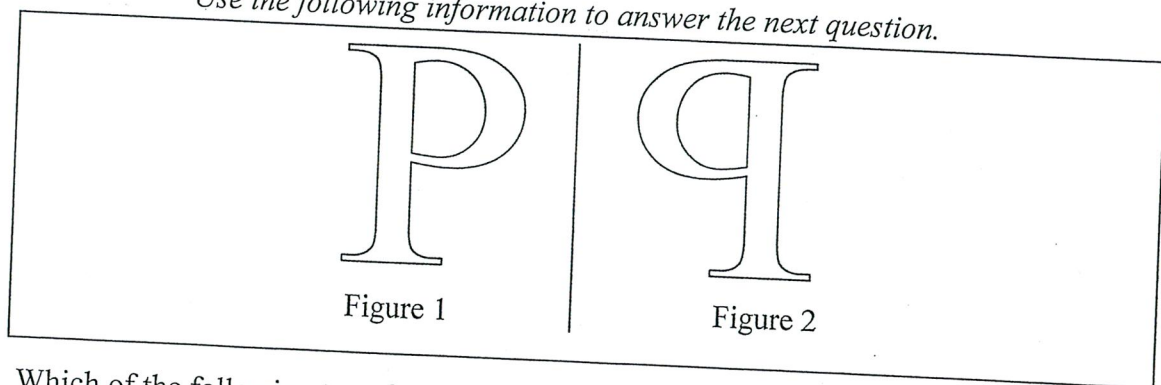
10. Which of the following polygons is irregular?



11. Which of the following pairs of figures shows a rotation?



Use the following information to answer the next question.



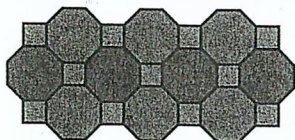
12. Which of the following transformations occurred to change figure 1 into figure 2?
- A. Turn
  - B. Slide
  - C. Reflection
  - D. Translation



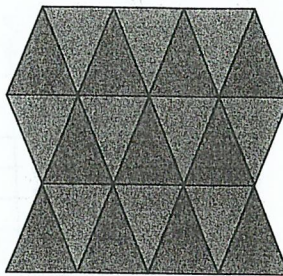
**CHALLENGER QUESTION**

13. Which of the following tiling patterns can be obtained by performing a series of translations and reflections?

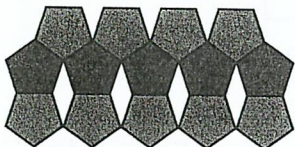
A.



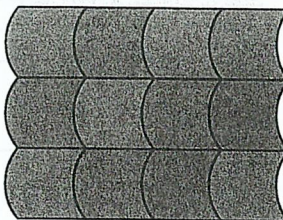
B.



C.



D.



*Use the following information to answer the next question.*

In art class, Marnie used this block letter to create different designs.

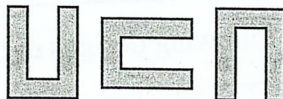


14. Which of the following designs was created by translating the letter?

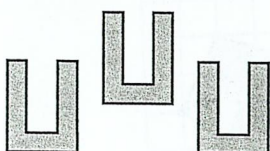
A.



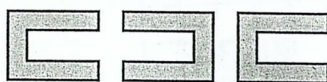
B.



C.



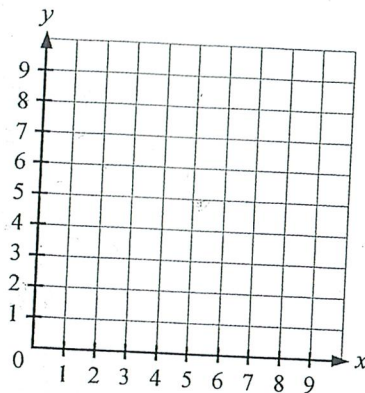
D.





Use the following information to answer the next question.

Don wants to plot the coordinates  $P(3, 3)$ ,  $Q(2, 6)$ ,  $R(7, 7)$ , and  $S(5, 5)$  in the first quadrant of this Cartesian plane.

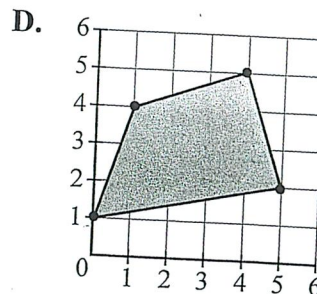
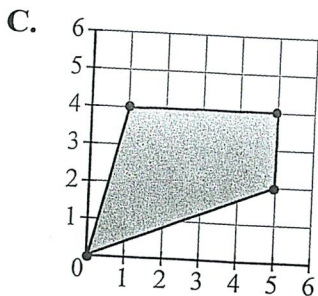
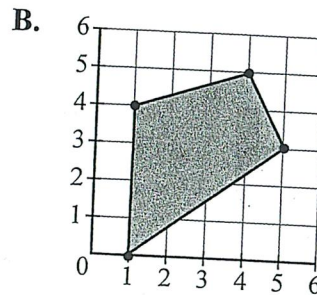
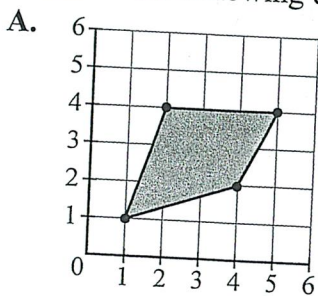


15. When the coordinates are joined by lines, what shape will Don have made?
- A. Kite
  - B. Square
  - C. Triangle
  - D. Parallelogram

Use the following information to answer the next question.

Marcy uses these coordinates to draw a design on a grid:  $(0, 1)$ ,  $(5, 2)$ ,  $(4, 5)$ , and  $(1, 4)$ .

16. Which of the following designs did Marcy draw?





Use the following information to answer the next question.

This table of values shows certain data.

Term Number	Term
1	2
2	6
3	10

**Written Response**

17. Using the given graph, plot the coordinates for the data in the table of values.

