

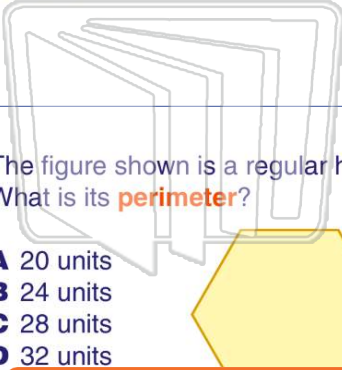


Name _____ Class _____ Date _____

1 Two figures are **congruent** if they have the same shape.

True or false?

- A true
- B false



3 The figure shown is a regular hexagon. What is its **perimeter**?

- A 20 units
- B 24 units
- C 28 units
- D 32 units

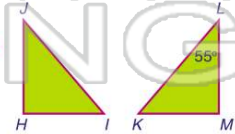
2 The two figures shown are **congruent**.

True or false?



- A true
- B false

4 Given the **congruent triangles** shown, which statement is correct?



- A $\angle L$ is congruent to $\angle H$
- B LM is congruent to IJ



PREVIEW

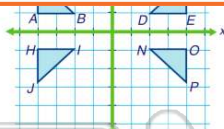
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7

V
to
fi

A
E
C
D

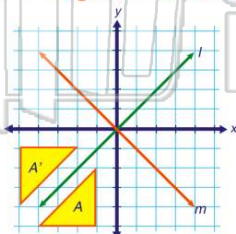
A
B triangle DEF
C triangle HIJ
D triangle KLM



- A (1, 1), (5, 1), (3, 3)
- B (-1, -1), (-5, -1), (-3, -3)
- C (1, 3), (5, 3), (3, 1)
- D (-1, 1), (-5, -1), (-3, 3)

9 In which line is the figure A **reflected**?

- A x-axis
- B y-axis
- C line m
- D line l



10 **Rotation** of a figure does **not** change its size or shape.

True or false?

- A true
- B false



ANSWER KEY

Two figures are **congruent** if they have the same shape.

True or false?

- A** true
- B** false

(b)

The two figures shown are **congruent**.

True or false?

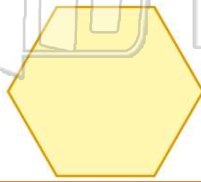


(a)

- A** true
- B** false

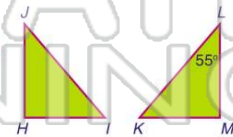
The figure shown is a regular hexagon. What is its **perimeter**?

- A** 20 units
- B** 24 units
- C** 28 units
- D** 32 units



(b)

Given the **congruent triangles** shown, which statement is correct?



(c)

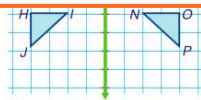
- A** $\angle L$ is congruent to $\angle H$
- B** LM is congruent to IJ
- C** $\angle K$ is congruent to $\angle I$



PREVIEW

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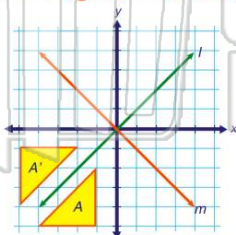
- C** triangle PHO
- D** triangle KLM



- B** $(-1, 1), (0, 1), (0, 0)$
- C** $(1, 3), (5, 3), (3, 1)$
- D** $(-1, 1), (-5, -1), (-3, 3)$

In which line is the figure **A** reflected?

- A** x-axis
- B** y-axis
- C** line m
- D** line l



(d)

Rotation of a figure does **not** change its size or shape.

True or false?

- A** true
- B** false

(a)