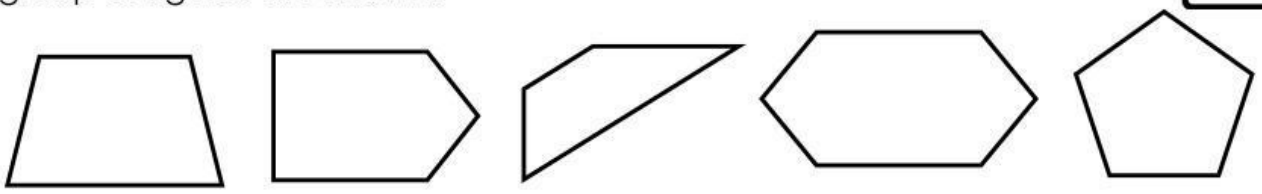
Name: _____ Date: _____

SCAN ME

3rd Grade Math STAAR Geometry Assessment

1 A group of figures are shown.



Which describes the group of figures?

A 2 trapezoids, 3 pentagons

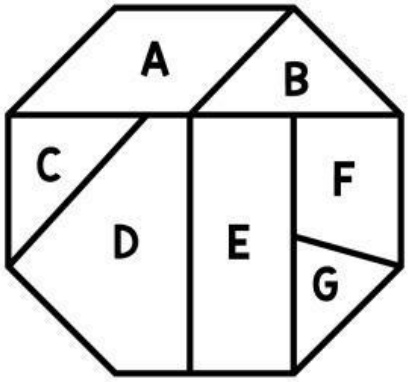
B 2 trapezoids, 1 hexagon, 2 pentagons

C 3 trapezoids, 2 pentagons

D 3 pentagons, 2 hexagons

TEKS 3.6A

2 David made an octagon with shapes. Each shape that David used to make the octagon has been labeled with a letter.



How many quadrilaterals did David use to make the octagon?

Write your answer in the space provided.

TEKS 3.6B

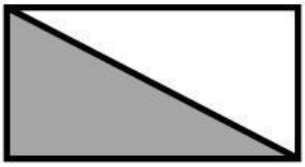
3 A part of Rectangle Y has been shaded.

Rectangle Y

Which rectangles have the same amount of area shaded as Rectangle Y?

Select **two** correct answers.

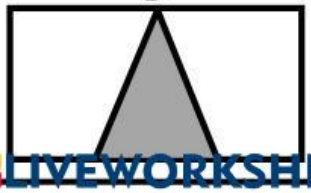
A



B

C

D



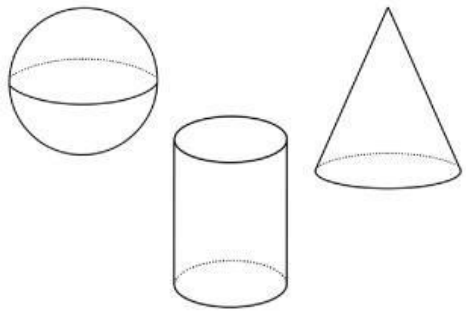
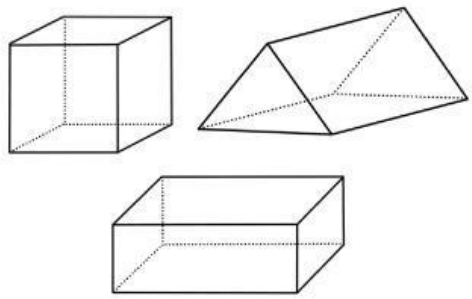
TEKS 3.6B

© All Star Teacher

LIVEWORKSHEETS

4 Isabell sorted three-dimensional figures into two groups.

Three-Dimensional Figures

Group Y	Group Z
	

Which statement about the figures is true?

A The figures in Group Y have vertices.

B The figures in Group Z each have triangular faces.

C The figures in Group Y each have rectangular faces.

D The figures in Group Z are prisms.

TEKS 3.6A

---

5 Matthew will sort quadrilaterals into groups. The statement describes one group he make.

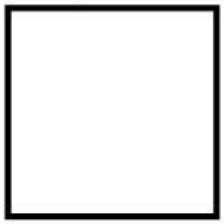
Quadrilaterals with 4 congruent sides.

Which of the following shapes can be placed with the group described above?

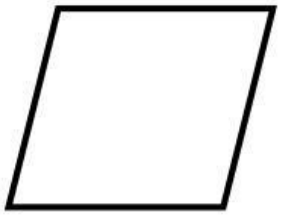
Select **two** correct answers.

A **Rectangle**

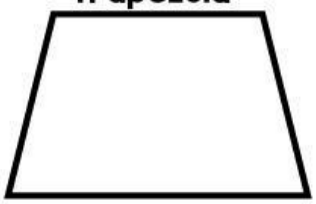
B **Square**



C **Rhombus**



D **Trapezoid**



TEKS 3.4B

© All Star Teacher

LIVEWORKSHEETS

6 The two squares shown are congruent. A part of each square has been shaded.

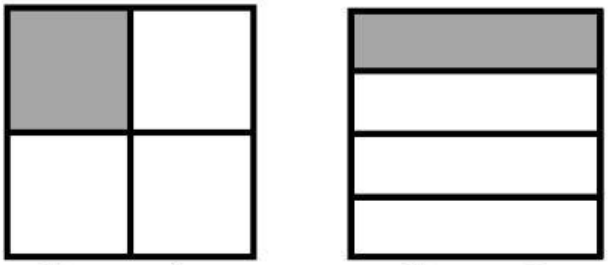


Figure A **Figure B**

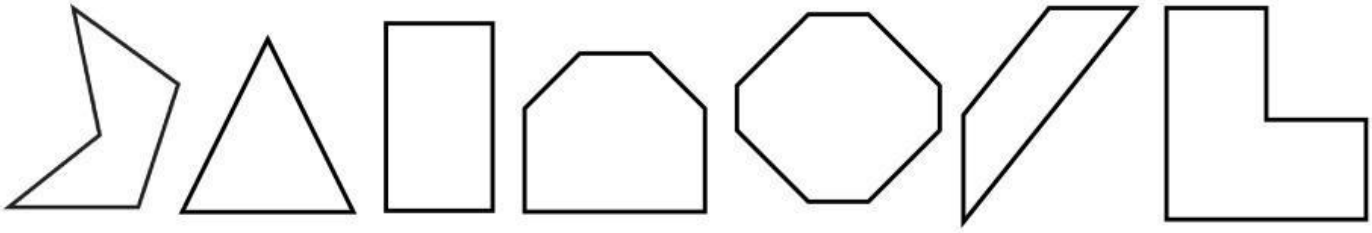
Choose the correct answer from the drop-down menu to complete the statement.

The shaded area of Figure A is _____ the shaded area of Figure B.

- A less than
- B equal to
- C greater than

TEKS 3.6E

7 A group of shapes are shown.

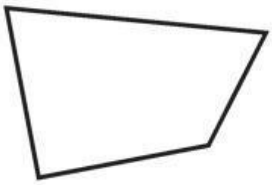


How many of the shapes shown have more sides than a quadrilateral?

Write your answer in the box provided.

TEKS 3.6A

8 A figure is shown.



Which word describes the figure shown?

A Trapezoid B Rectangle C Quadrilateral D Square

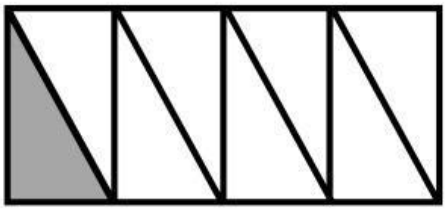
TEKS 3.6B

© All Star Teacher

LIVEWORKSHEETS

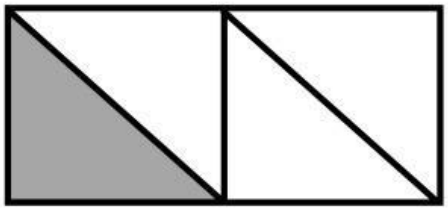
9 A part of Rectangle Z has been shaded.

Rectangle Z

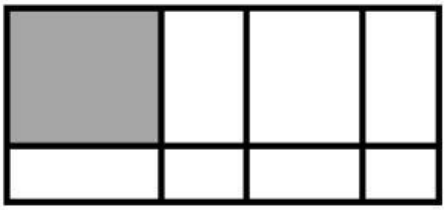


Which rectangle has the same amount of area shaded as Rectangle Z?

A

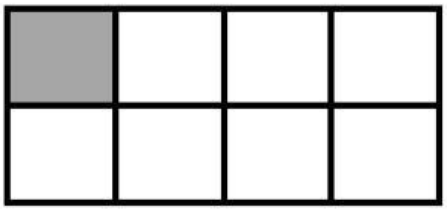


C



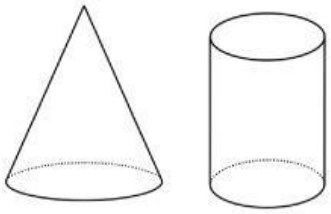
B

D



TEKS 3.6E

10 A cylinder and cone are shown.



Choose the correct answer from the drop-down menu to complete the statement.

The cylinder and cone each have at least one [ ] .

- A face
- B edge
- C vertex

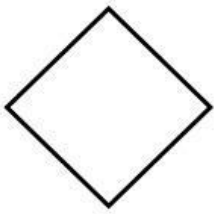
TEKS 3.6A

11 Which figure is a trapezoid?

A

B

C



D

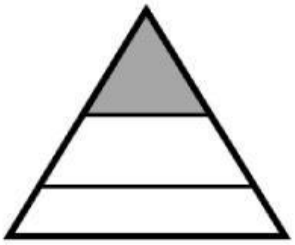
TEKS 3.3B

© All Star Teacher

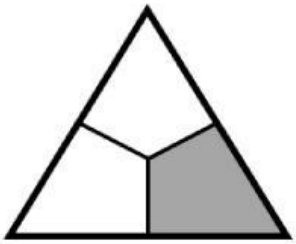
LIVEWORKSHEETS

12 Luis will sort the triangles shown in the table shown.

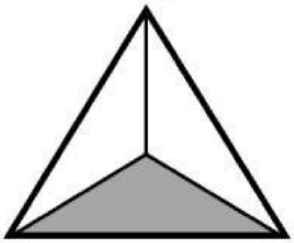
Triangle A



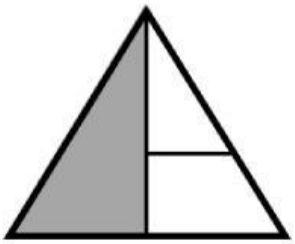
Triangle C



Triangle B



Triangle D



Triangles Sort

Equal Amount of Area Shaded	Equal Amount of Area NOT shaded

Which triangles could be placed in the category "equal amount of area shaded?

Select **two** correct answers.

A Triangle A

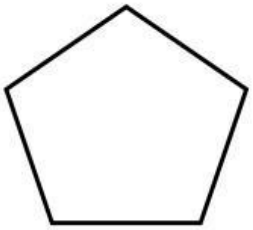
C Triangle C

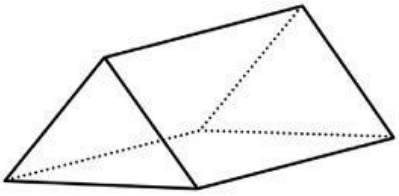
B Triangle B

D Triangle D

TEKS 3.6E

13 A pentagon and triangular prism are shown.





How are a pentagon and triangular prism alike?

A Each figure is a flat shape.

B Each figure is three-dimensional.

C Each figure has vertices.

D Each figure is a quadrilateral.

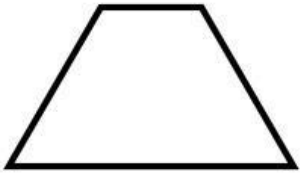
© All Star Teacher

LIVEWORKSHEETS

14 Which of the figures shown are NOT trapezoids?

Select **three** correct answers.

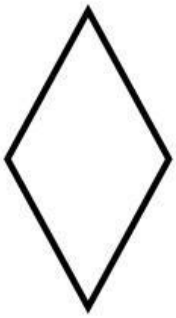
A



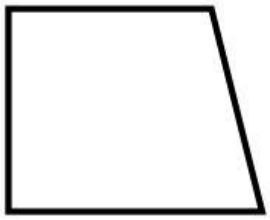
C

E

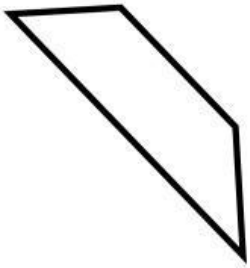
B



D

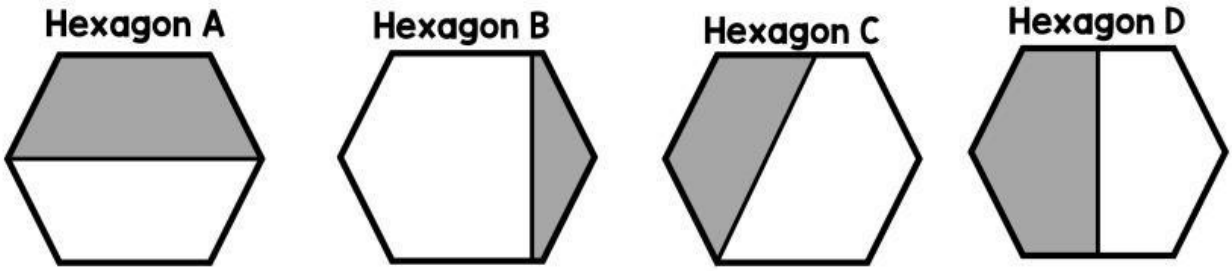


F



TEKS 3.6B

15 Cynthia drew four congruent hexagons. She shaded a part of each hexagon.



Choose the correct answer from the drop-down menu to complete the statement.

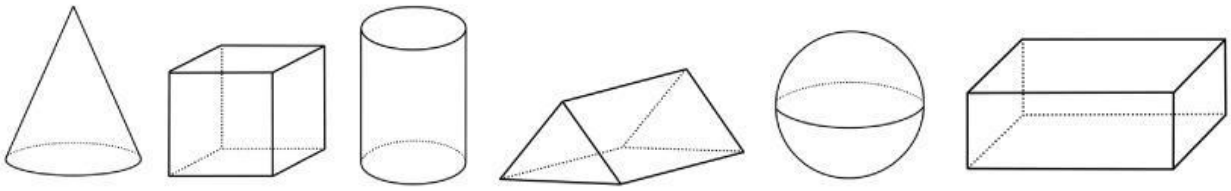
[ ] have the same amount of area shaded.

- A Hexagon A and Hexagon C
- B Hexagon C and Hexagon D
- C Hexagon A and Hexagon B
- D Hexagon A and Hexagon D

© All Star Teacher

LIVEWORKSHEETS

16 A group of three-dimensional figures are shown.



How many of the figures shown have 6 faces, 12 edges, and 8 vertices?

Write your answer in the box provided.

TEKS 3.6A

17 A group of figures are shown.

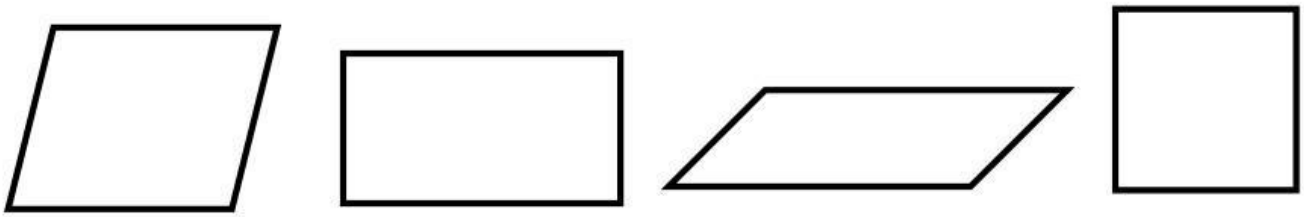


Figure A **Figure B** **Figure C** **Figure D**

Which statement about the figures is NOT true?

A Figure A is a rhombus.

B Figure B is a rectangle.

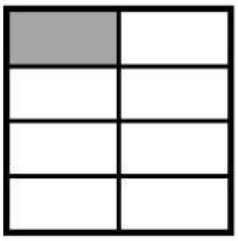
C Figure C is a trapezoid.

D Figure D is a square. .

TEKS 3.6B

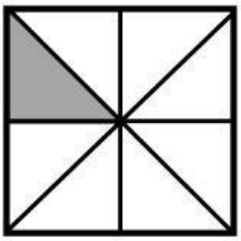
18 A portion of a Square Z has been shaded.

Square Z

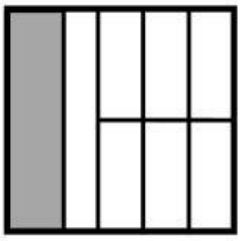


Which square has the same amount of area shaded as Square Z?

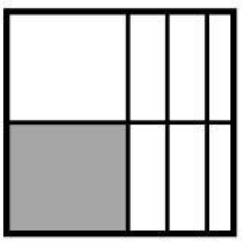
A



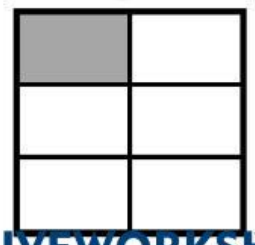
B



C



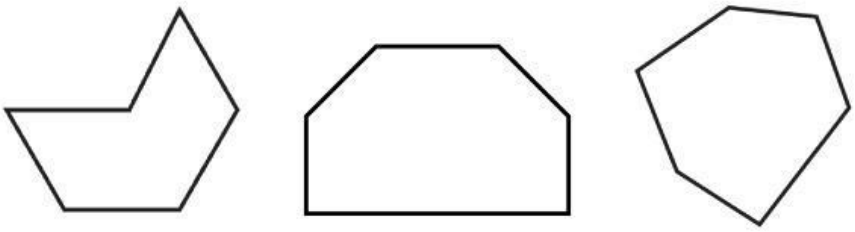
D



© All Star Teacher

LIVEWORKSHEETS

19 A group of figures are shown.



Which statement about the group of figures is true?

A All of the figures are octagons.

B All of the figures are hexagons.

C All of the figures are prisms.

D All of the figures are pentagons.

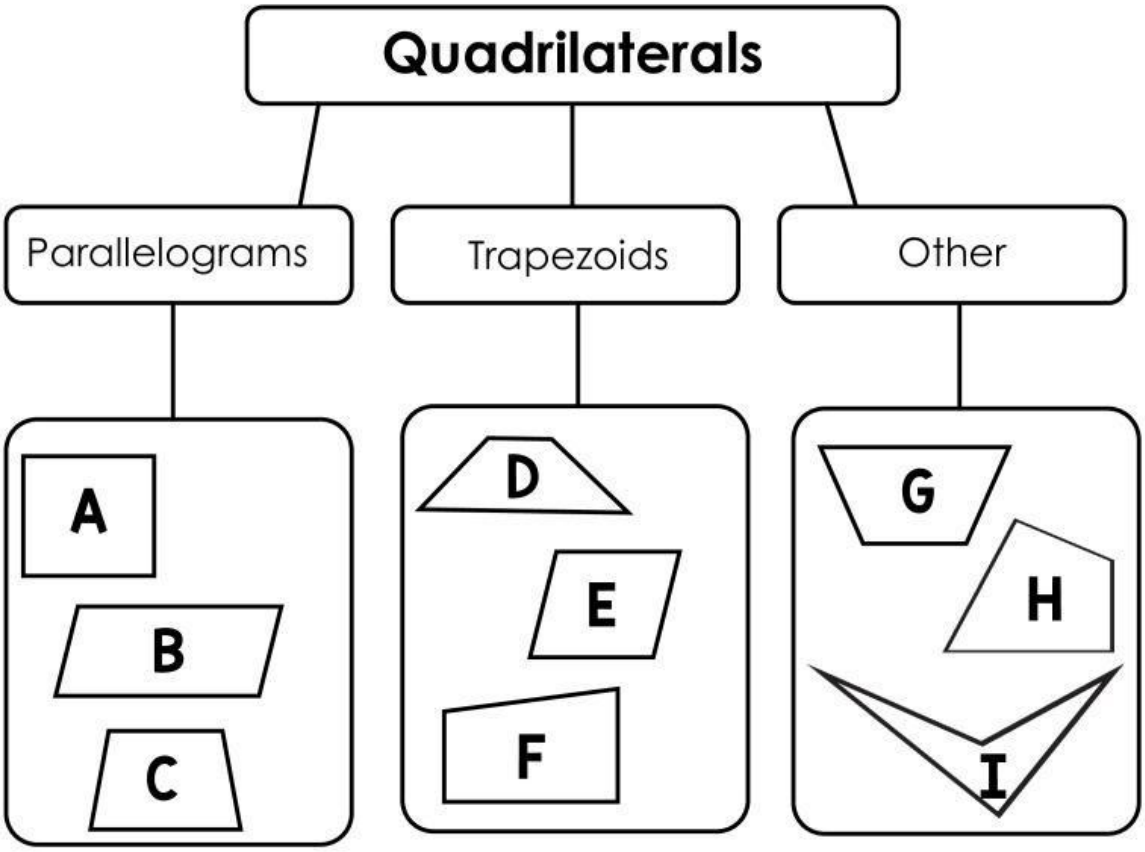
TEKS 3.6A

---

20 Leslie used a diagram to classify quadrilaterals. The table shows the way Leslie classified the quadrilaterals.

Which quadrilaterals did Leslie classify incorrectly?

Circle **three** correct answers.



© All Star Teacher

LIVEWORKSHEETS

21 Two congruent rectangles have each been divided into equal parts.

Figure Y

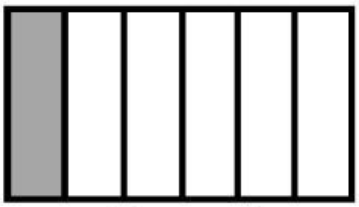


Figure Z

Which statement is true?

A Figure Y and Figure Z each represent the fraction $\frac{1}{8}$,because 1 part of 8 equal parts have been shaded.

B Figure Y and Figure Z do not have the same amount of area shaded, because Figure Z has a greater area shaded than Figure Y.

C Figure Y and Figure Z each represent the fraction $\frac{1}{6}$, because 1 part of 6 equal parts have been shaded.

D Figure Y and Figure Z do not have the same amount of area shaded, because Figure Y has a greater area shaded than Figure Z.

TEKS 3.6E

---

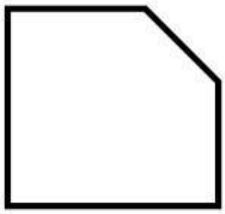
22 Tony will sort figures into groups. The statement describes figures Tony will place in one group.

Figures with exactly 5 sides.

Which figures could be placed with the group described by the statement?

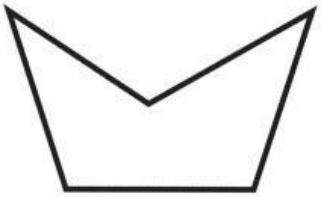
Select **three** correct answers.

A

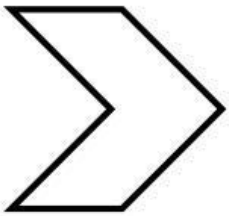


C

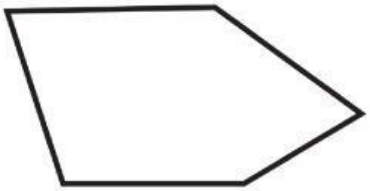
E



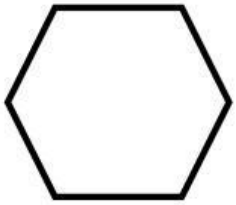
B



D



F



© All Star Teacher

LIVEWORKSHEETS

23 A group of quadrilaterals are shown.

How many of the quadrilaterals shown are NOT either a rhombus, square, trapezoid, or rectangle?

Write your answer in the box provided.

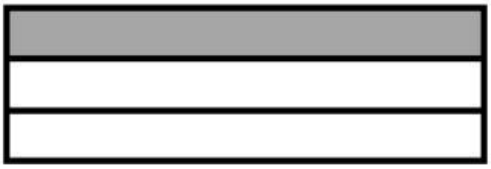
TEKS 3.6B

24 A part of Rectangle W has been shaded.

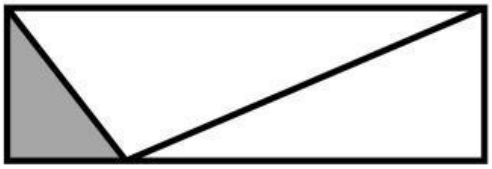
Rectangle W

Which rectangle has the same amount of area shaded as Rectangle W?

A



C

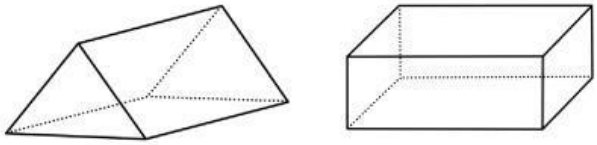


B

D

TEKS 3.6E

25 A triangular prism and a rectangular prism is shown.



Choose the correct answer from the drop-down menu to complete the statement.

A triangular prism and a rectangular prism each have [ ] .

- A 12 vertices
- B Rectangular faces
- C Triangular Faces

TEKS 3.6A

© All Star Teacher

LIVEWORKSHEETS