

Name: _____

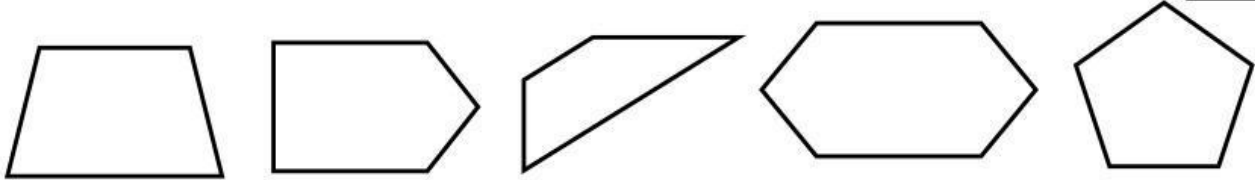
Date: _____

3rd Grade Math STAAR Geometry Assessment

SCAN ME



1 A group of figures are shown.



Which describes the group of figures?

A 2 trapezoids, 3 pentagons

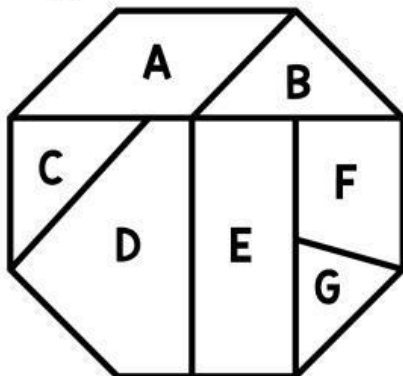
B 2 trapezoids, 1 hexagon, 2 pentagons

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

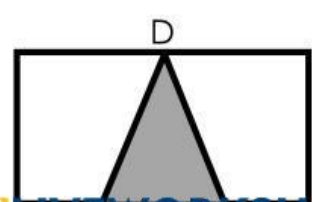
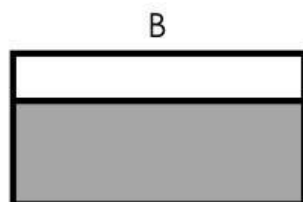
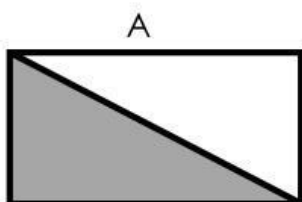
3 A part of Rectangle Y has been shaded.

Rectangle Y



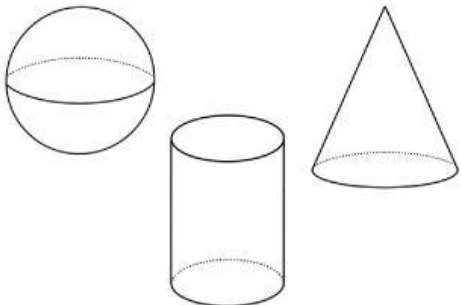
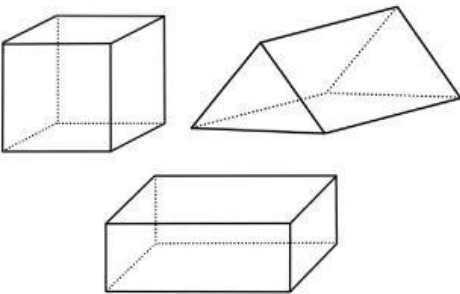
Which rectangles have the same amount of area shaded as Rectangle Y?

Select **two** correct answers.



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.

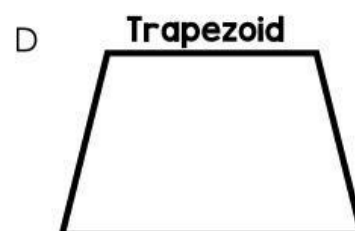
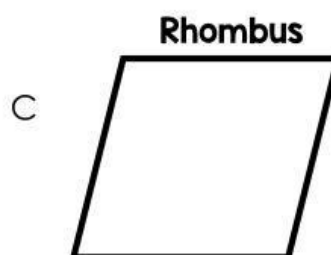
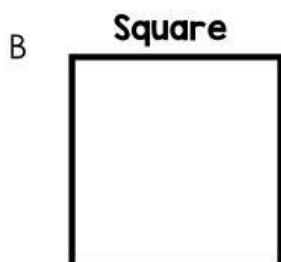
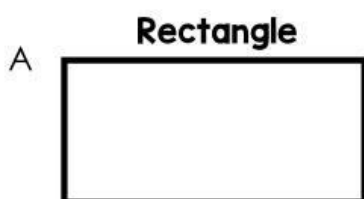
TEKS 3.6A

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.



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

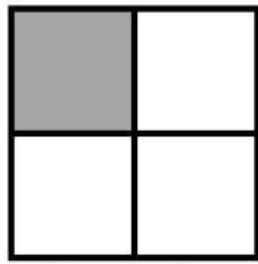


Figure A

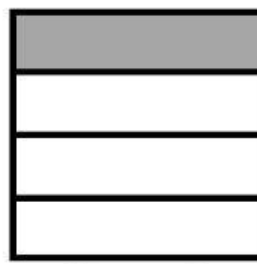


Figure B

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.

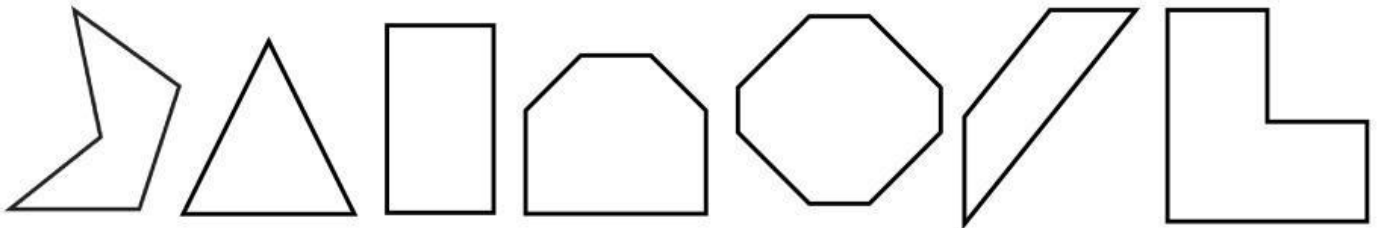
A less than

B equal to

C greater than

TEKS 3.6E

7 A group of shapes are shown.

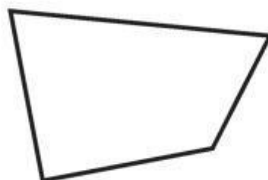


How many of the shapes shown have more sides than a quadrilateral?

Write your answer in the box provided.

TEKS 3.6A

8 A figure is shown.



Which word describes the figure shown?

A Trapezoid

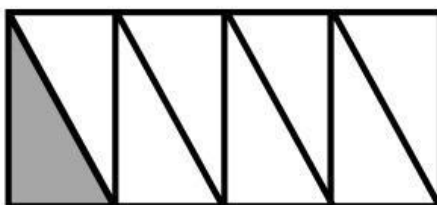
B Rectangle

C Quadrilateral

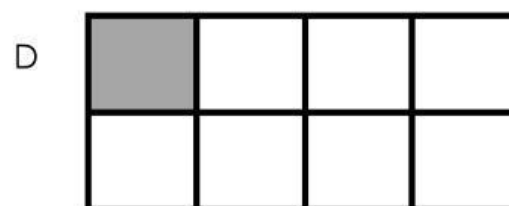
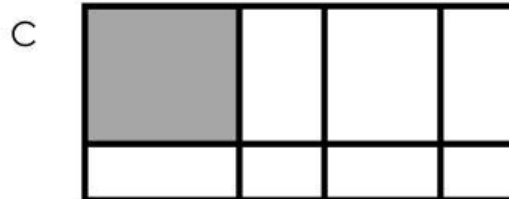
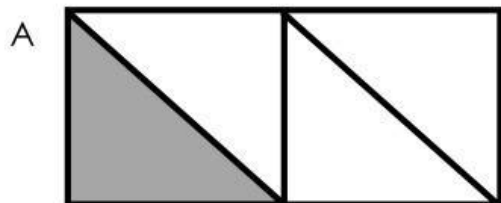
D Square

9 A part of Rectangle Z has been shaded.

Rectangle Z

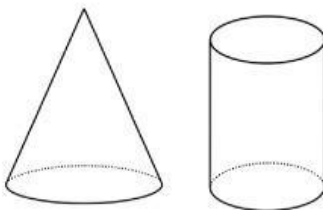


Which rectangle has the same amount of area shaded as Rectangle Z?



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

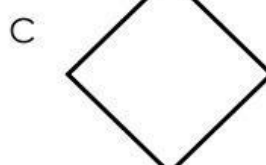
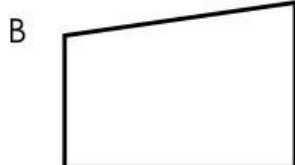
A face

B edge

C vertex

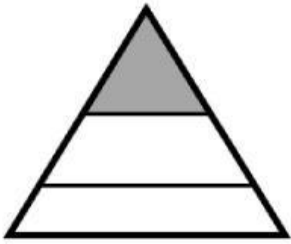
TEKS 3.6A

11 Which figure is a trapezoid?

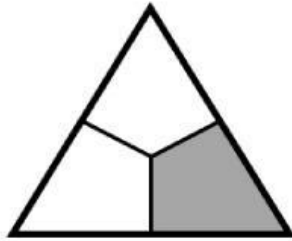


12 Luis will sort the triangles shown in the table shown.

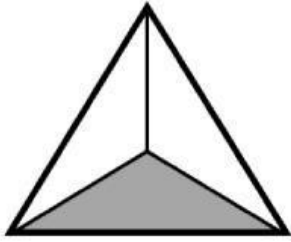
Triangle A



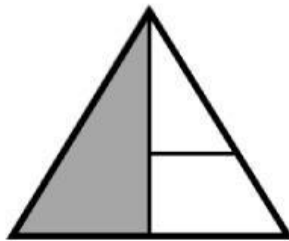
Triangle C



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

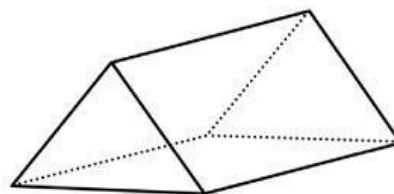
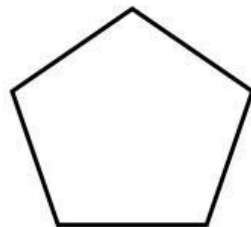
C Triangle C

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.

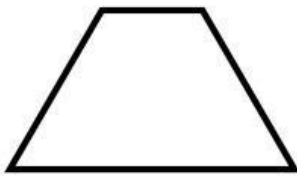
C Each figure has vertices.

D Each figure is a quadrilateral.

14 Which of the figures shown are NOT trapezoids?

Select **three** correct answers.

A



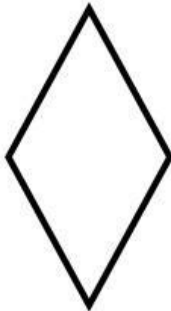
C



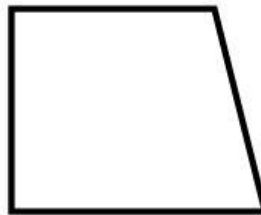
E



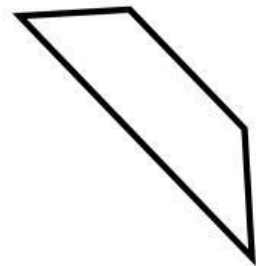
B



D



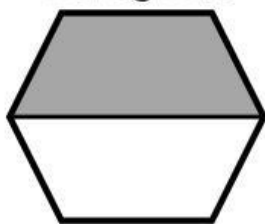
F



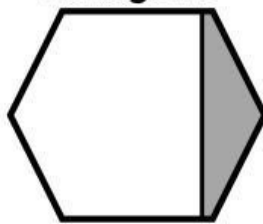
TEKS 3.6B

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

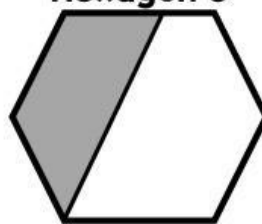
Hexagon A



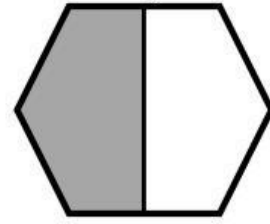
Hexagon B



Hexagon C



Hexagon D

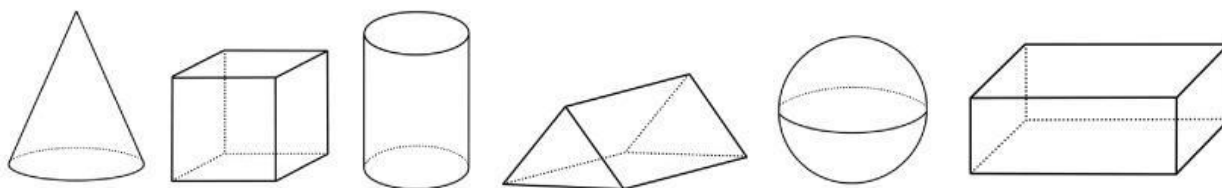


Choose the correct answer from the drop-down menu to complete the statement.

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

have the same amount of area shaded.

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

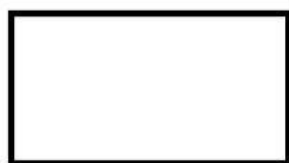


Figure B



Figure C



Figure D

Which statement about the figures is NOT true?

A Figure A is a rhombus.

C Figure C is a trapezoid.

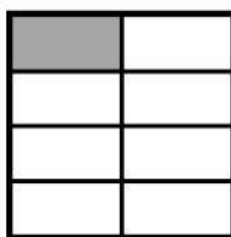
B Figure B is a rectangle.

D Figure D is a square.

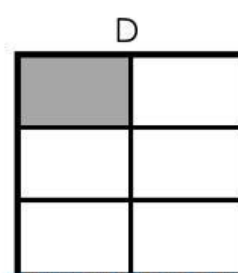
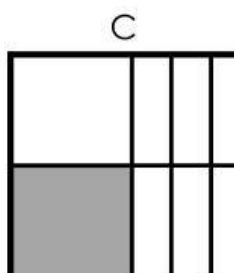
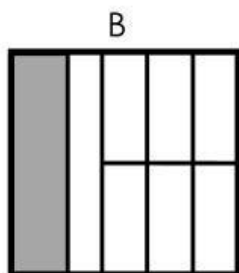
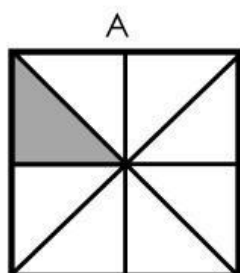
TEKS 3.6B

18 A portion of a Square Z has been shaded.

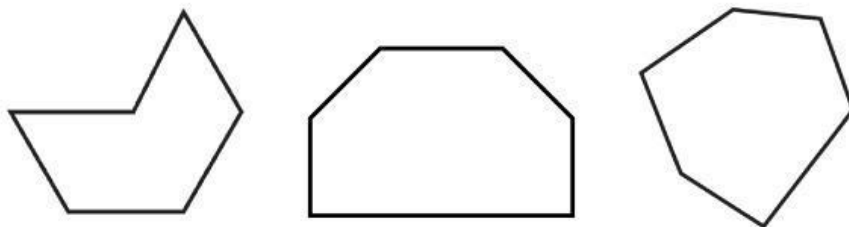
Square Z



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



19 A group of figures are shown.



Which statement about the group of figures is true?

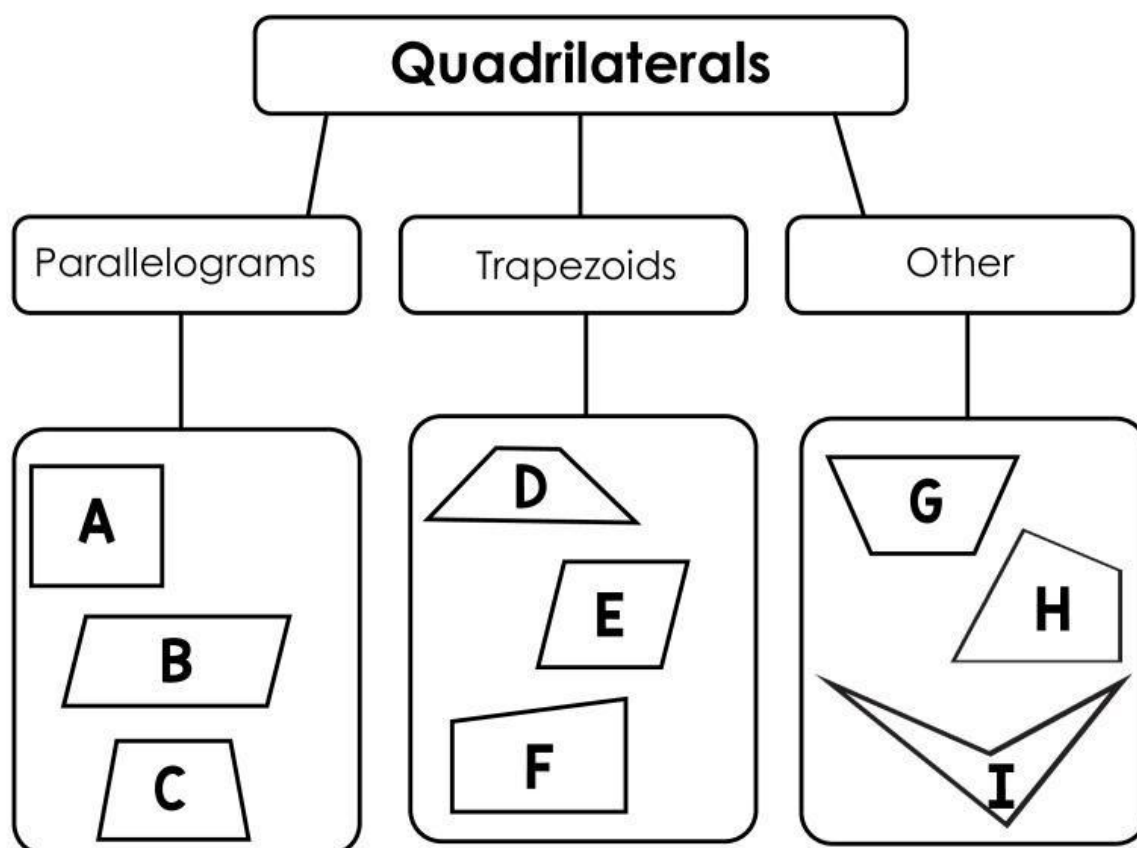
- A All of the figures are octagons.
- B All of the figures are hexagons.
- C All of the figures are prisms.
- D All of the figures are pentagons.

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.



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

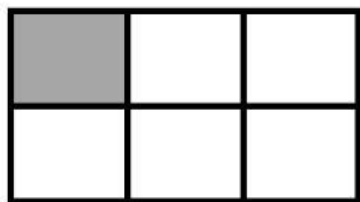


Figure Y



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

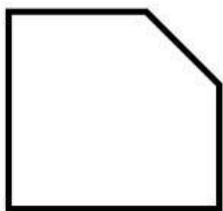
22 Tony will sort figures into groups. The statement describes figures Tony will place in one group.

Figures with exactly 5 sides.

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

Select **three** correct answers.

A



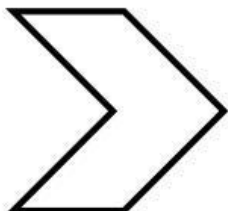
C



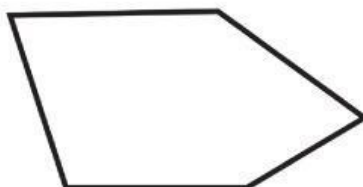
E



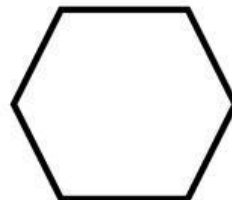
B



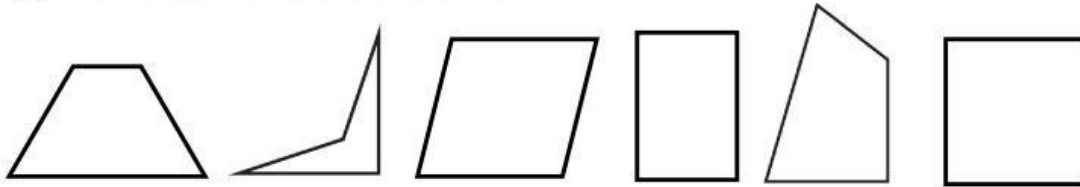
D



F



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.

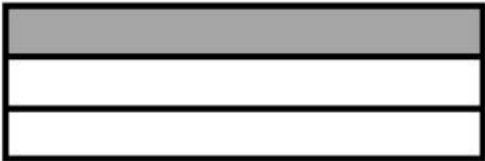
TEKS 3.6B

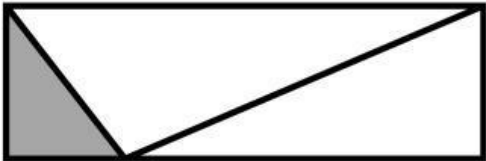
24 A part of Rectangle W has been shaded.

Rectangle W



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

A 

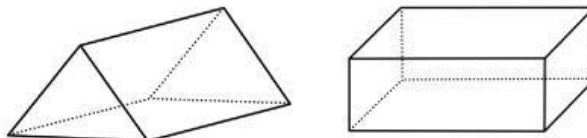
C 

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