

**Extra Practice 1**

**Lesson 1: Describing Shapes**

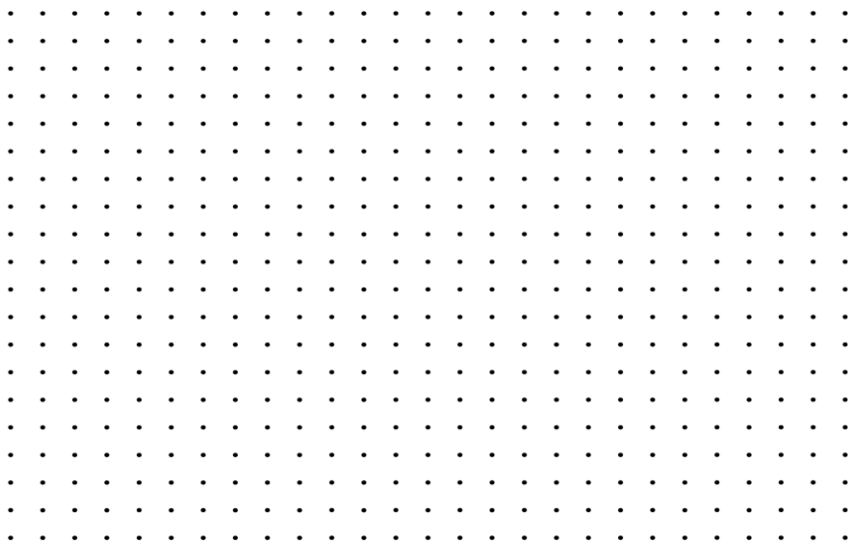
Use Pattern Blocks.

1. a) Trace each Pattern Block. Label its vertices.
- b) Name the equal sides.
- c) Name the parallel sides.

Shape	Equal Sides	Parallel Sides

**Lesson 2: Investigating Perpendicular Sides**

1. Use a geoboard. Then draw each shape below.  
Make and draw a shape that has:
- a) exactly 2 horizontal sides and 2 vertical sides
  - b) at least 1 horizontal side and exactly 2 perpendicular sides
  - c) exactly 1 pair of perpendicular sides and at least 2 vertical sides



2. Label the vertices of the shapes you drew in question 1.
- a) Name the horizontal sides. \_\_\_\_\_
  - b) Name the vertical sides. \_\_\_\_\_
  - c) Name the perpendicular sides. \_\_\_\_\_

### Extra Practice 3

#### Lesson 3: Investigating Quadrilaterals

1. Answer each riddle.

- a) I have two pairs of parallel sides.  
All my sides are equal.  
All my angles are right angles.

What am I? \_\_\_\_\_

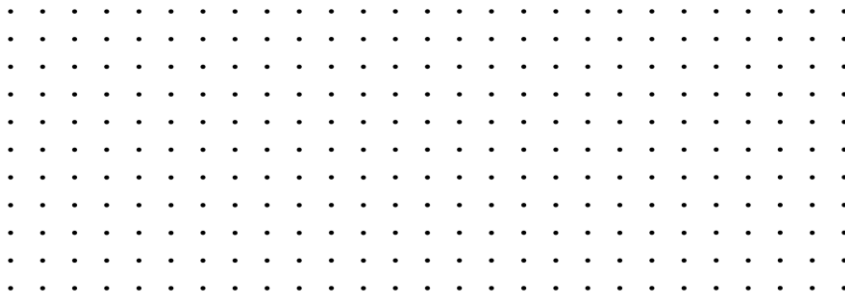
- b) I have 4 sides.  
I have only 1 pair of parallel sides.

What am I? \_\_\_\_\_

- c) I have 2 pairs of equal sides.  
I have no parallel sides.

What am I? \_\_\_\_\_

2. Draw each shape in question 1.



3. For each shape in question 1, name other attributes.

a) \_\_\_\_\_

b) \_\_\_\_\_

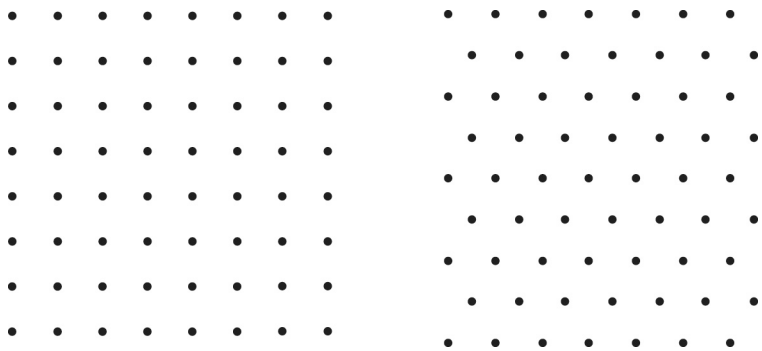
c) \_\_\_\_\_

**Extra Practice 4**

**Lesson 4: Other Attributes of Quadrilaterals**

1. Draw a quadrilateral that has:
  - a) exactly 1 line of symmetry
  - b) exactly 2 lines of symmetry
  - c) 4 lines of symmetry
  - d) 0 lines of symmetry

Draw as many different quadrilaterals as you can each time.



2. Label each quadrilateral in question 1 with a letter.  
Which quadrilaterals in question 1 have perpendicular sides?

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3. Sort the quadrilaterals in question 1 in the Venn diagram. Use the attributes: "Has equal sides" and "Has parallel sides"

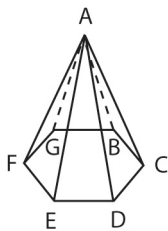


**Extra Practice 6**

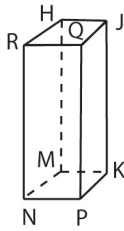
**Lesson 6: Exploring Faces and Edges of Objects**

For each object below, where possible, identify:

- a) 2 parallel faces
- b) 2 perpendicular faces
- c) 2 intersecting faces
- d) 2 vertical faces
- e) 2 horizontal faces
- f) 2 parallel edges
- g) 2 perpendicular edges
- h) 2 intersecting edges
- i) 2 vertical edges
- j) 2 horizontal edges



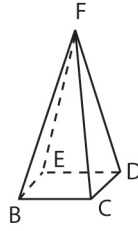
hexagonal pyramid



square prism



pentagonal prism



rectangular pyramid

- |             |             |             |             |
|-------------|-------------|-------------|-------------|
| 1. a) _____ | 2. a) _____ | 3. a) _____ | 4. a) _____ |
| b) _____    | b) _____    | b) _____    | b) _____    |
| c) _____    | c) _____    | c) _____    | c) _____    |
| d) _____    | d) _____    | d) _____    | d) _____    |
| e) _____    | e) _____    | e) _____    | e) _____    |
| f) _____    | f) _____    | f) _____    | f) _____    |
| g) _____    | g) _____    | g) _____    | g) _____    |
| h) _____    | h) _____    | h) _____    | h) _____    |
| i) _____    | i) _____    | i) _____    | i) _____    |
| j) _____    | j) _____    | j) _____    | j) _____    |

### Extra Practice 7

#### Lesson 7: Drawing Objects

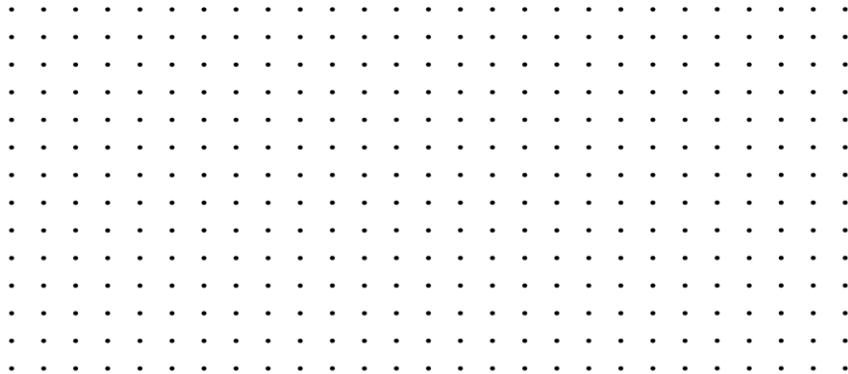
1. Name a prism that has each set of faces:

a) squares and rectangles \_\_\_\_\_

b) triangles and rectangles \_\_\_\_\_

c) rectangles and hexagons \_\_\_\_\_

2. Draw each prism in question 1.

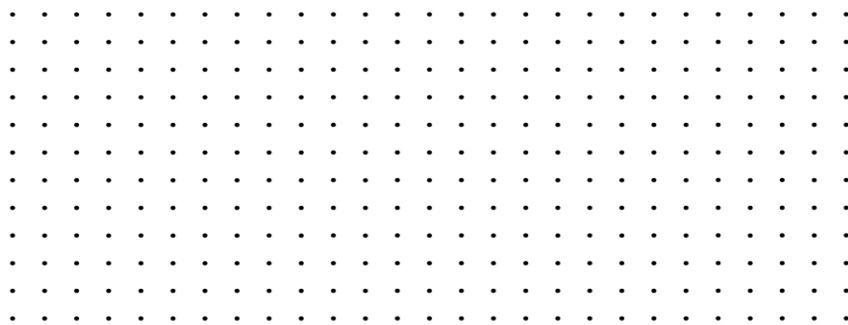


3. Name a pyramid that has each set of faces:

a) triangles \_\_\_\_\_

b) a square and triangles \_\_\_\_\_

4. Draw each pyramid in question 3.

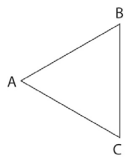
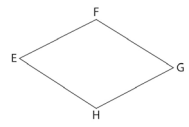
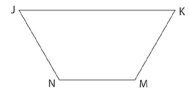
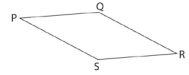
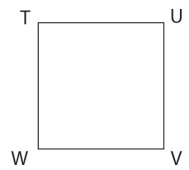
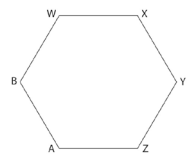


**Master 6.37**

**Extra Practice Sample Solutions**

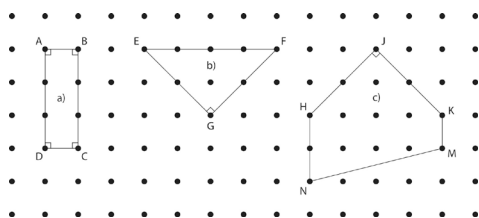
**Extra Practice 1 – Master 6.31**  
**Lesson 1: Describing Shapes**

1. Order of shapes in table and labels on vertices may vary.

Shapes	Equal Sides	Parallel Sides
	$AB = BC = CA$	none
	$EF = FG = GH = HE$	EF and HG; FG and EH
	$JN = KM$	JK and NM
	$PQ = QR = RS = SP$	PQ and SR; PS and QR
	$TU = UV = VW = WT$	TU and WV; TW and UV
	$WX = XY = YZ = ZA = AB = BW$	WX and AZ; XY and BA; BW and ZY

**Extra Practice 2 – Master 6.32**  
**Lesson 2: Investigating Perpendicular Sides**

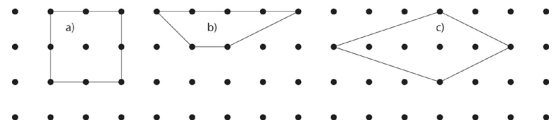
1. Shapes and labels on vertices may vary.



2. a) AB, DC, EF    b) AD, BC, HN, KM  
 c) AB and BC; BC and CD; CD and DA; DA and AB; EG and GF; HJ and JK

**Extra Practice 3 – Master 6.33**  
**Lesson 3: Investigating Quadrilaterals**

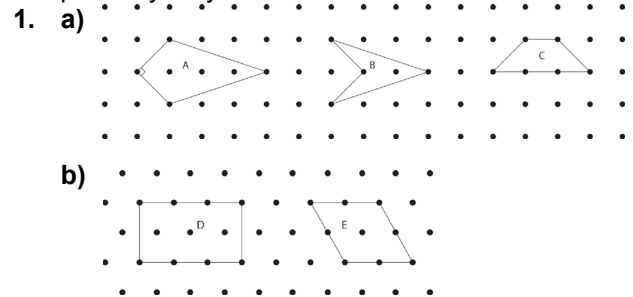
1. a) square    b) trapezoid    c) kite  
 2. Shapes may vary in size.

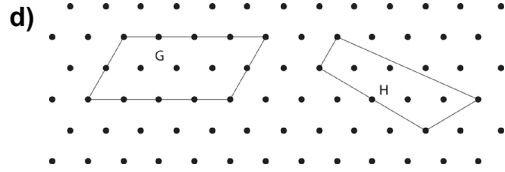
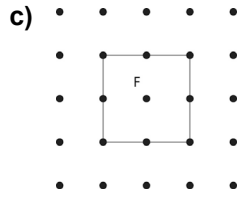


3. a) Diagonals are perpendicular.  
 b) No further attributes  
 c) The equal sides are adjacent.  
 The diagonals are perpendicular.

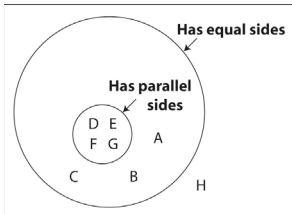
**Extra Practice 4 – Master 6.34**  
**Lesson 4: Other Attributes of Quadrilaterals**

Shapes may vary.





- Answers may vary depending on shapes and their labels. A, D, F
- Diagrams will vary depending on the shapes and their labels.



### Extra Practice 6 – Master 6.35

#### Lesson 6: Exploring Faces and Edges of Objects

- Answers may vary.
 

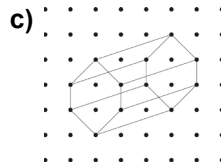
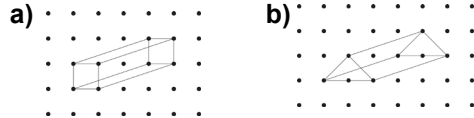
a) none	b) none
c) AGB, AGF	d) none
e) BCDEFG	f) GB, ED
g) none	h) AG, FG
i) none	j) GB, BC
- |               |               |
|---------------|---------------|
| a) HJQR, MKPN | b) HJQR, JQPK |
| c) HJQR, RQPN | d) HJKM, JQPK |
| e) HJQR, MKPN | f) HJ, RQ     |
| g) HJ, JQ     | h) JQ, RQ     |
| i) HM, JK     | j) MK, NP     |

- |                 |                |
|-----------------|----------------|
| a) SRVUT, XWAZY | b) SRVUT, RVAW |
| c) SRWX, SXYT   | d) TUZY, UVAZ  |
| e) SRVUT, XWAZY | f) UV, ZA      |
| g) UV, VA       | h) XY, YZ      |
| i) SX, RW       | j) XW, SR      |
- |             |           |
|-------------|-----------|
| a) none     | b) none   |
| c) FED, FEB | d) none   |
| e) EDCB     | f) ED, BC |
| g) ED, DC   | h) FE, EB |
| i) none     | j) ED, BE |

### Extra Practice 7 – Master 6.36

#### Lesson 7: Drawing Objects

- |                                      |                    |
|--------------------------------------|--------------------|
| a) square prism or rectangular prism | c) hexagonal prism |
| b) triangular prism                  |                    |
- Sizes and orientations of prisms may vary.



- a) triangular pyramid    b) square pyramid
- Sizes of pyramids may vary.

