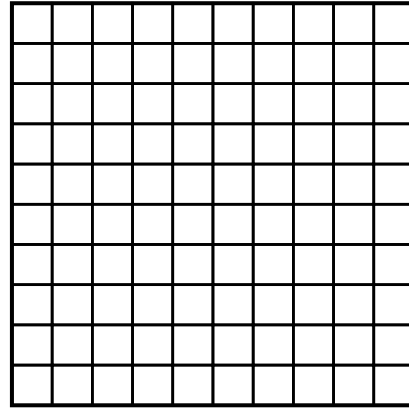


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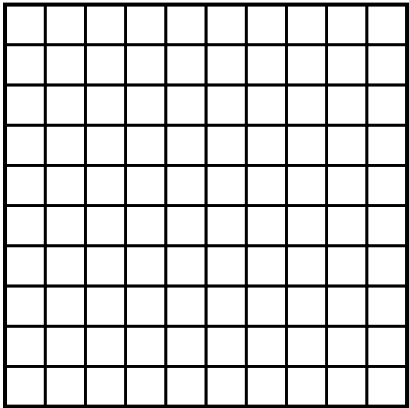


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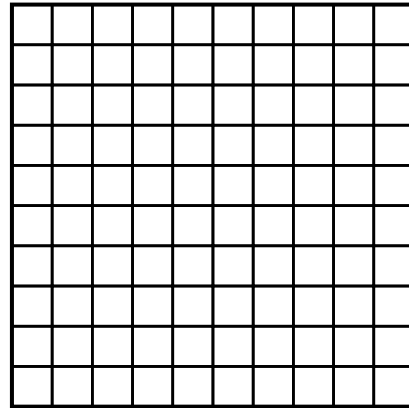


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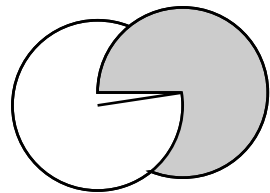
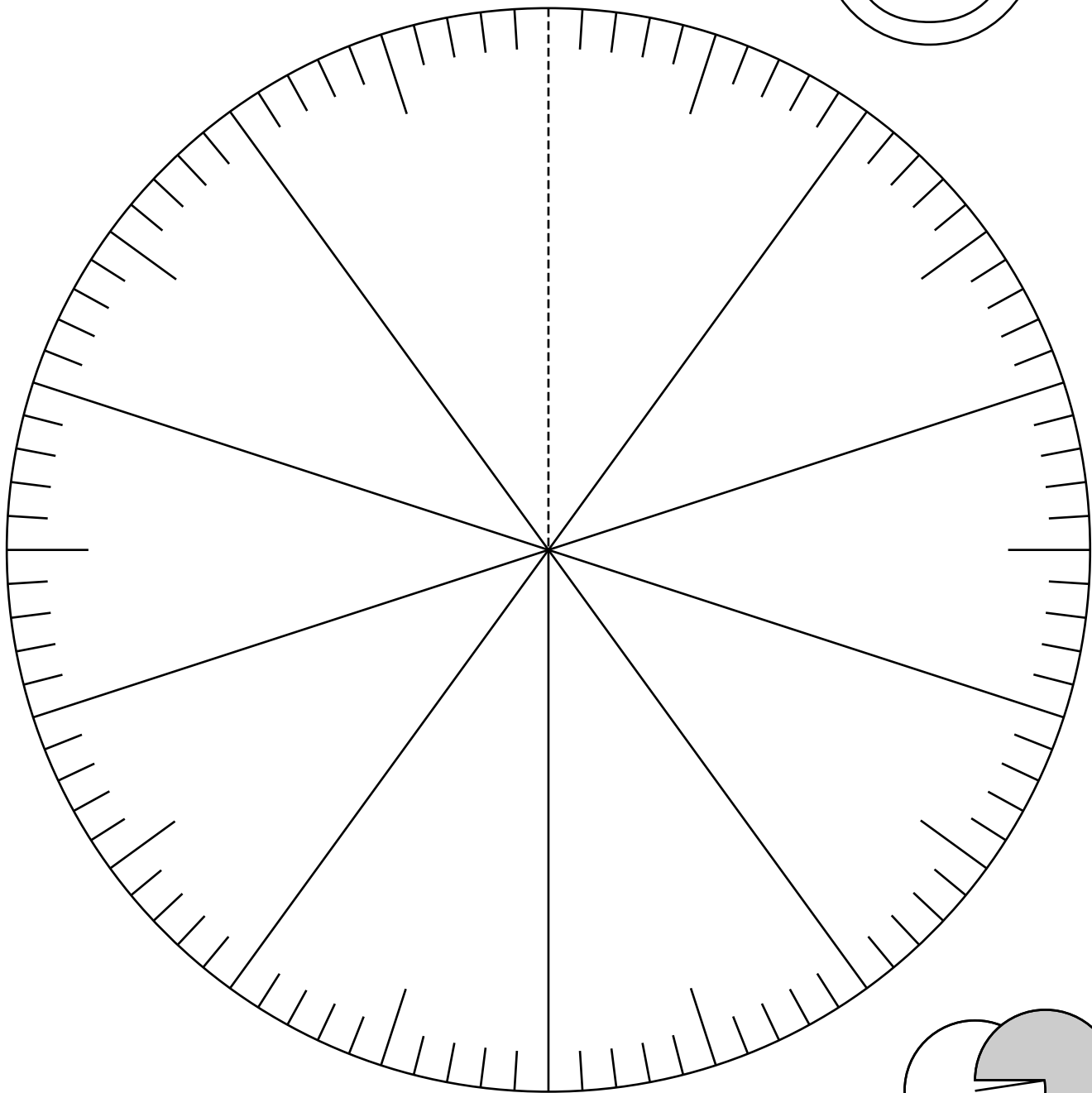
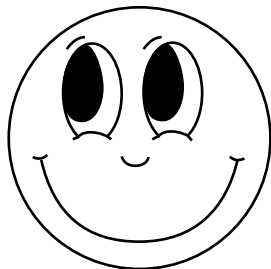


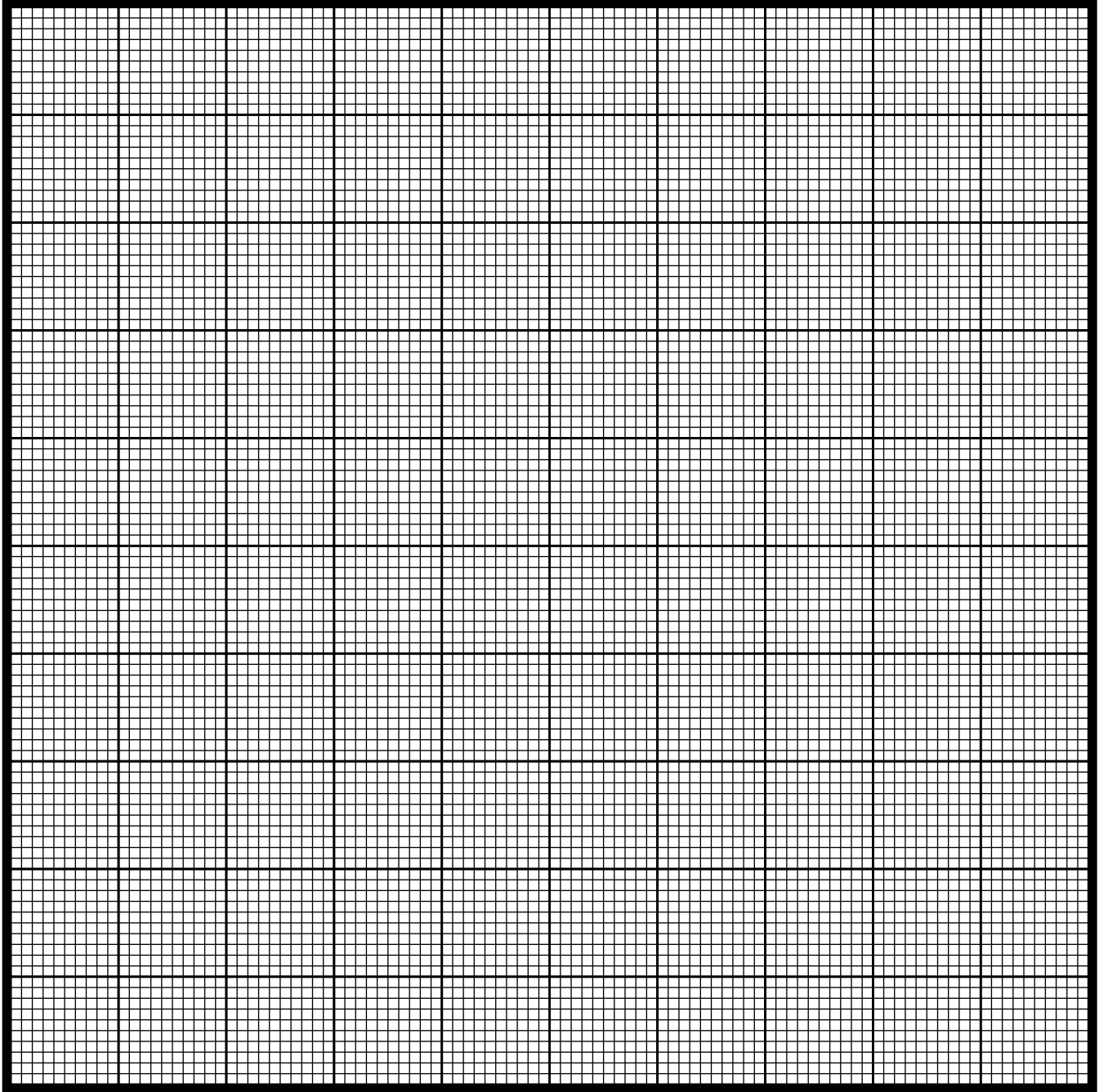
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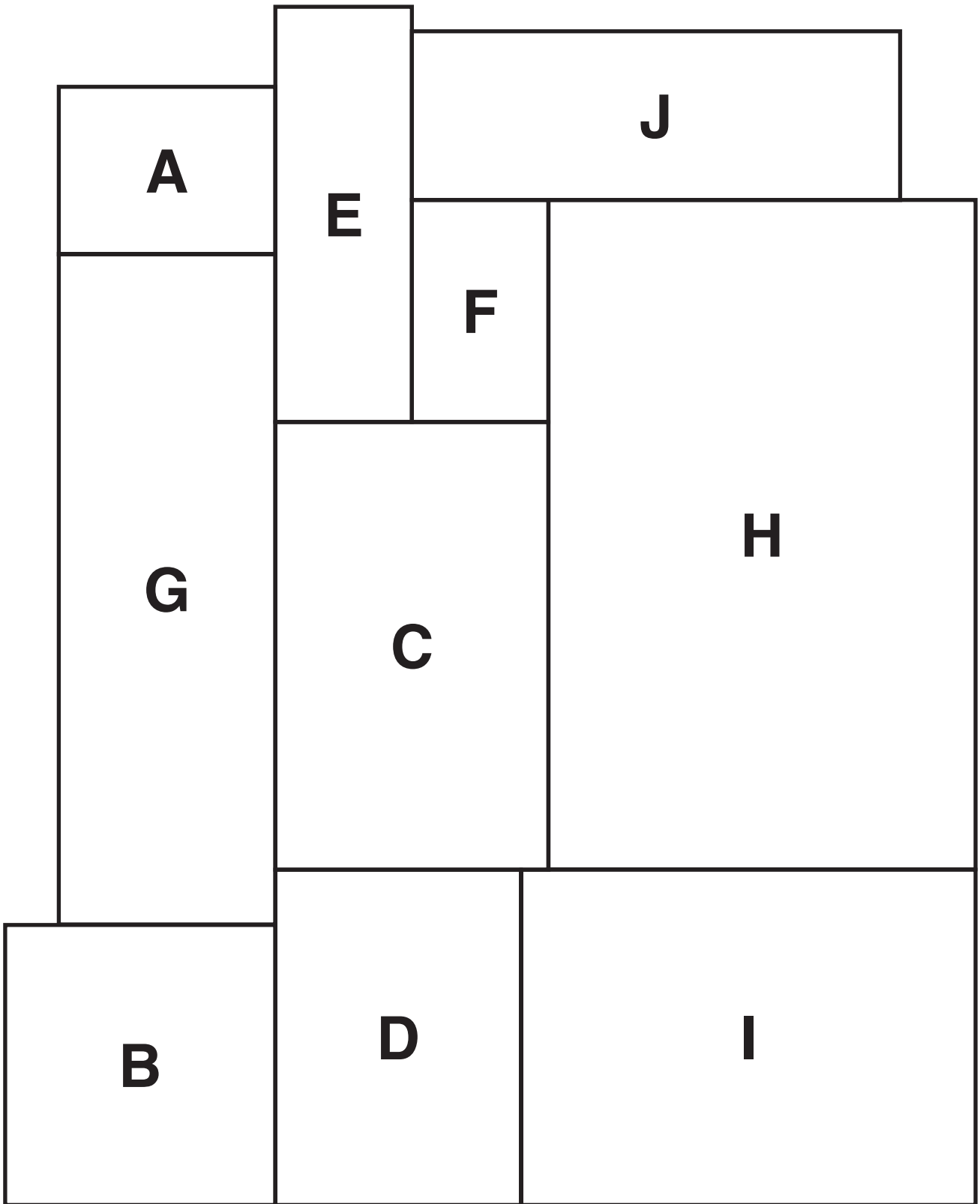
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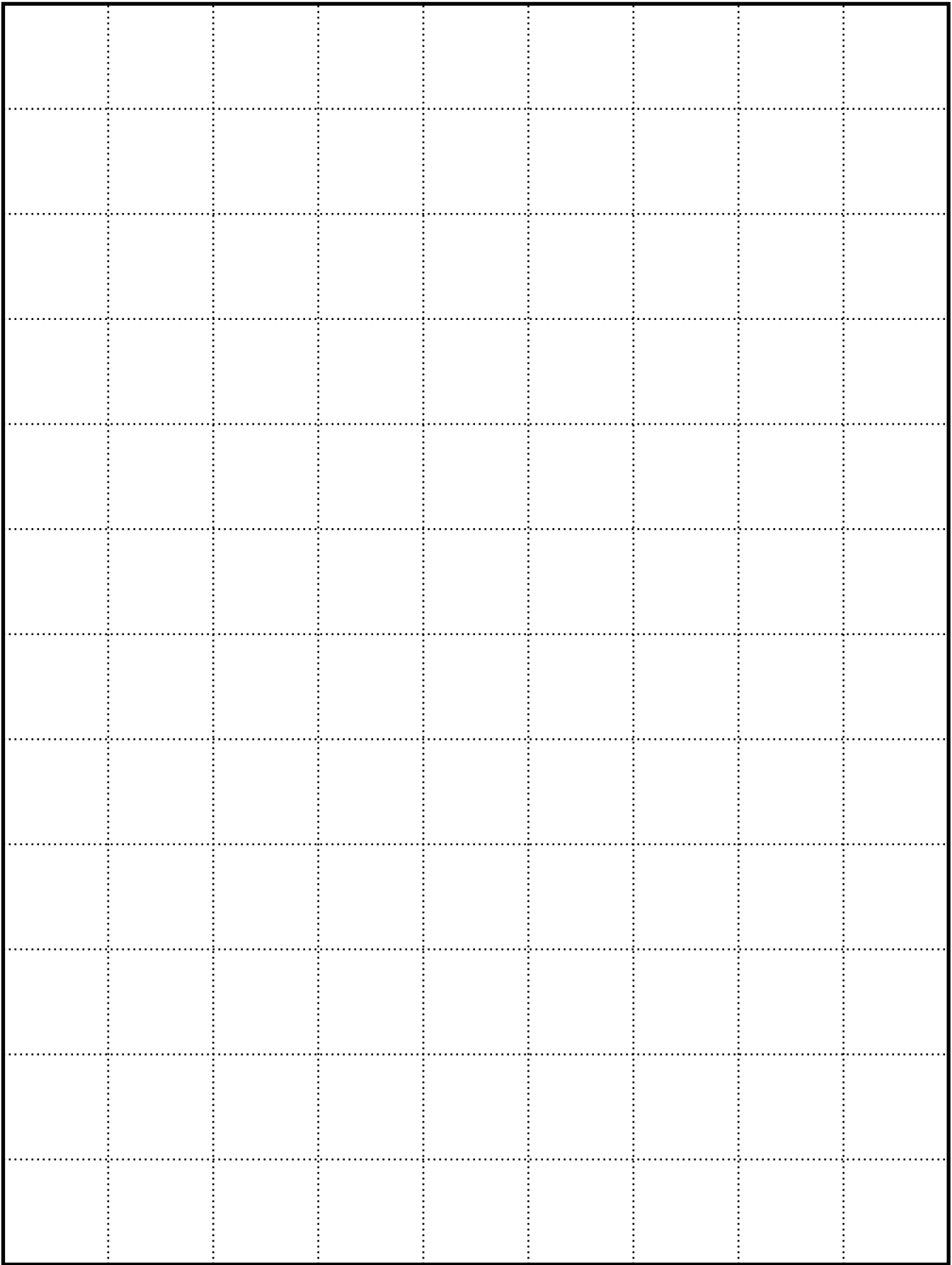
## Look-Alike Rectangles Three Groups and an Odd Ball

<b>Rectangles Group 1</b>	<b>Measures in cm</b>		<b>Ratio of sides</b>
(Letter of rect.)	Long side	Short side	Short/Long

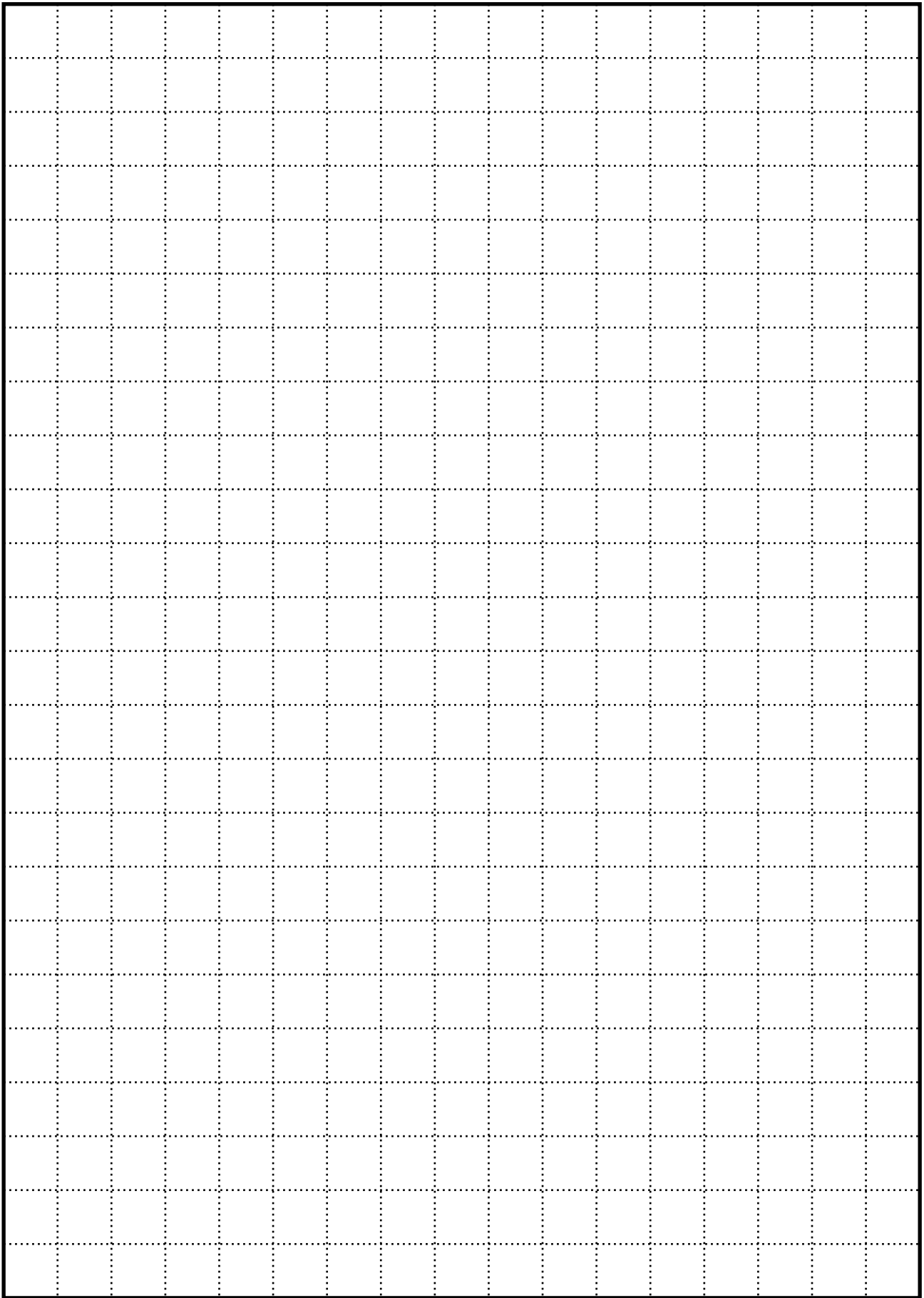
<b>Rectangles Group 2</b>	<b>Measures in cm</b>		<b>Ratio of sides</b>
(Letter of rect.)	Long side	Short side	Short/Long

<b>Rectangles Group 3</b>	<b>Measures in cm</b>		<b>Ratio of sides</b>
(Letter of rect.)	Long side	Short side	Short/Long

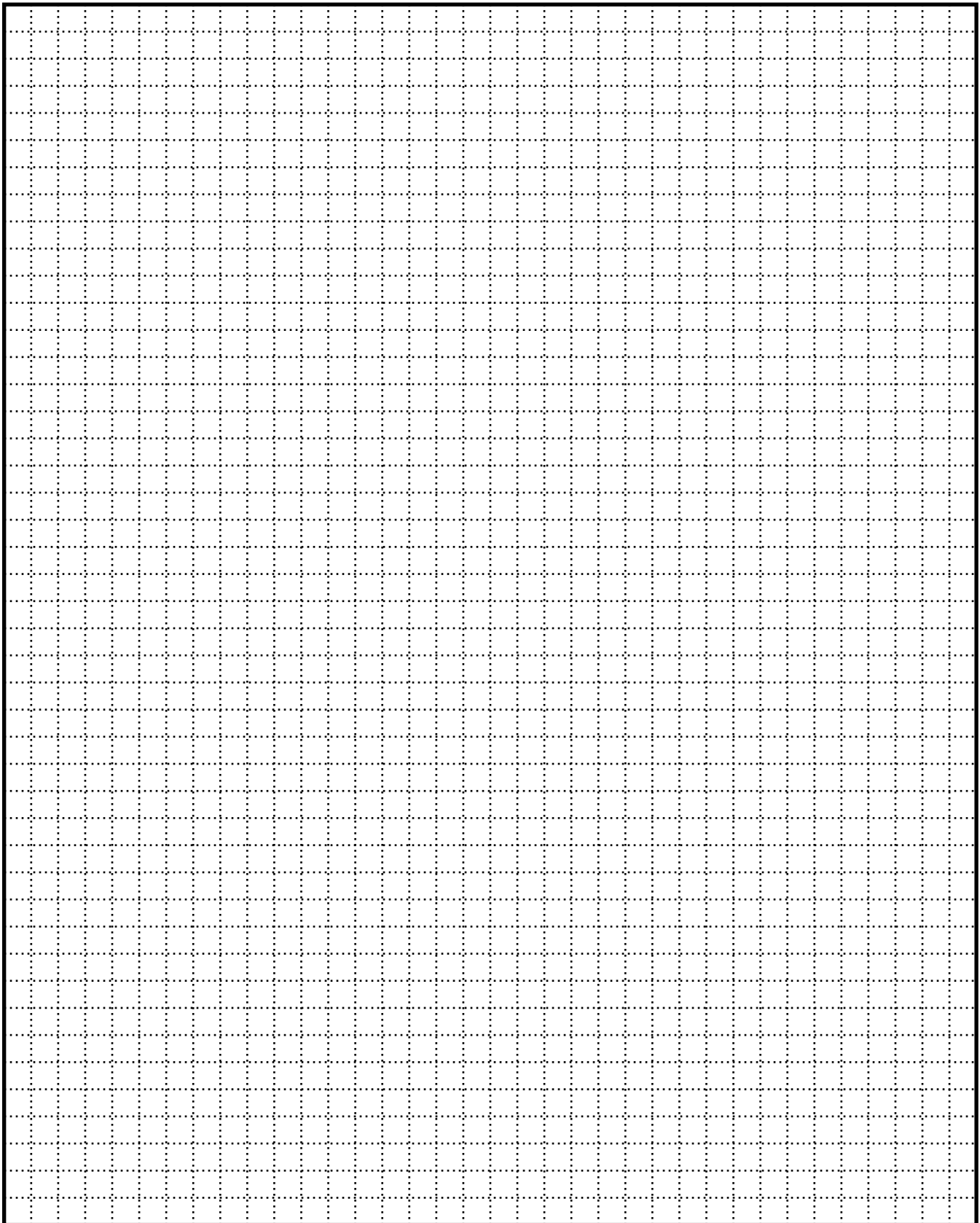
<b>Odd Ball</b>	<b>Measures in cm</b>		<b>Ratio of sides</b>
(Letter of rect.)	Long side	Short side	Short/Long

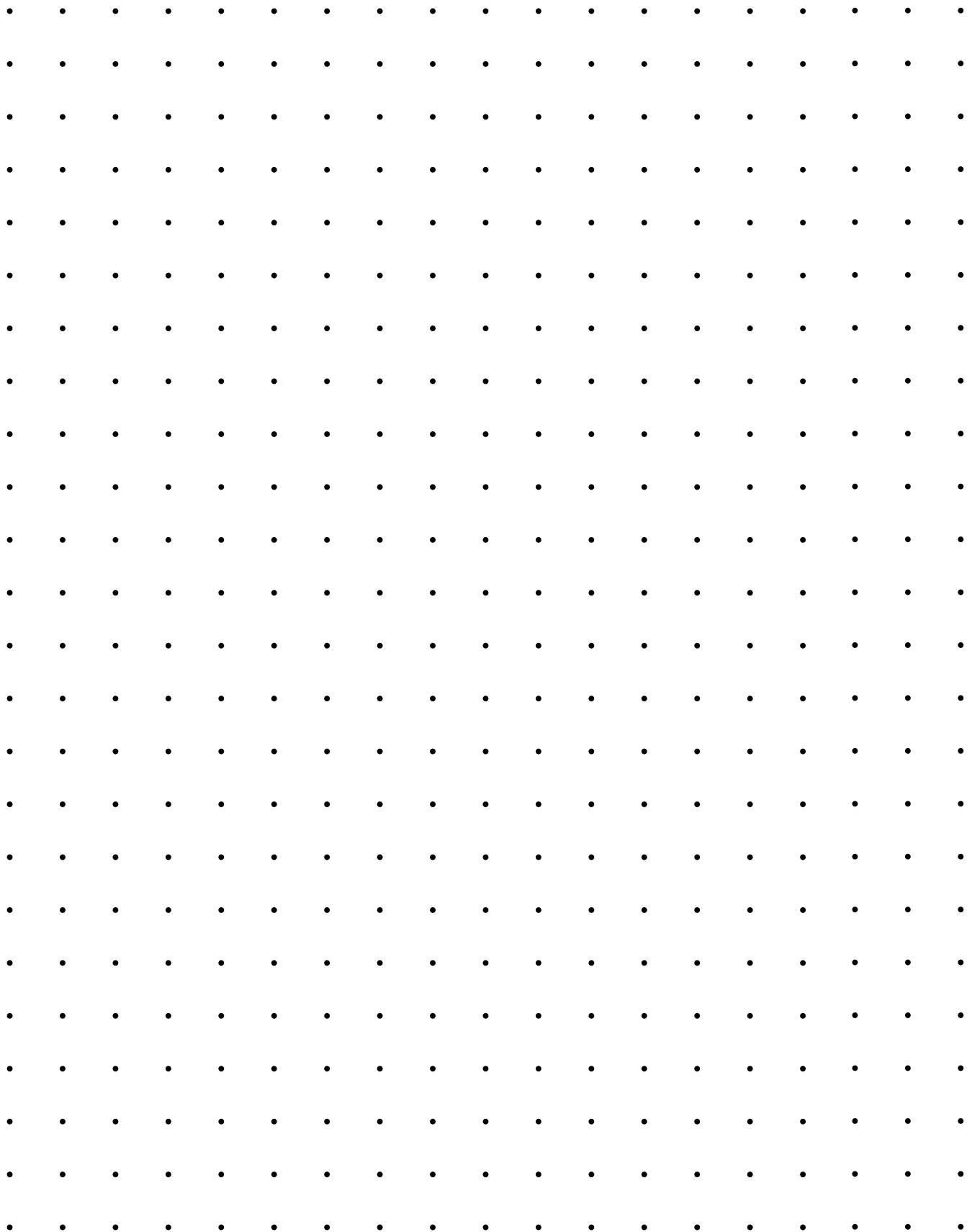


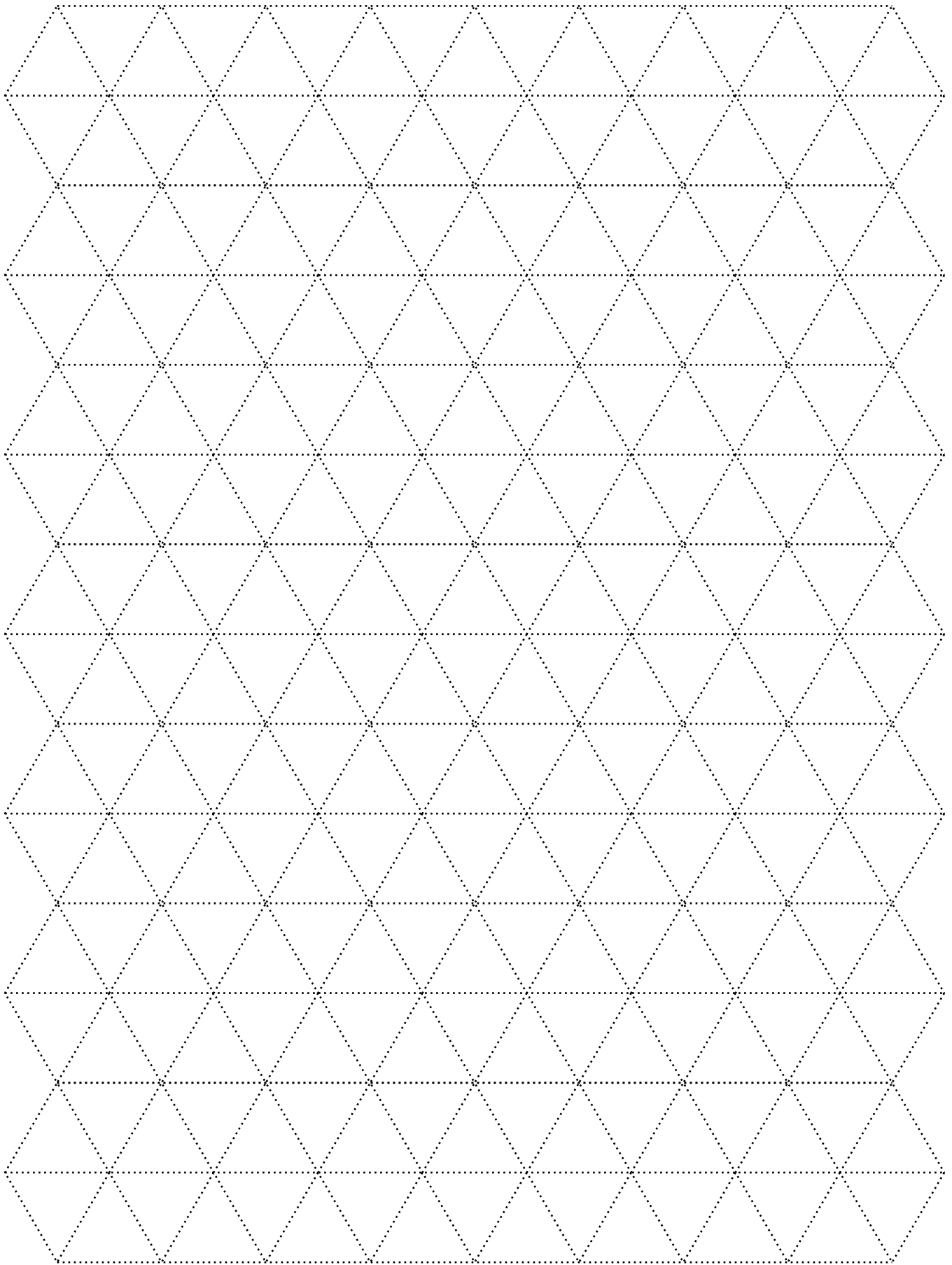
*BLM 7—2-cm square grid*

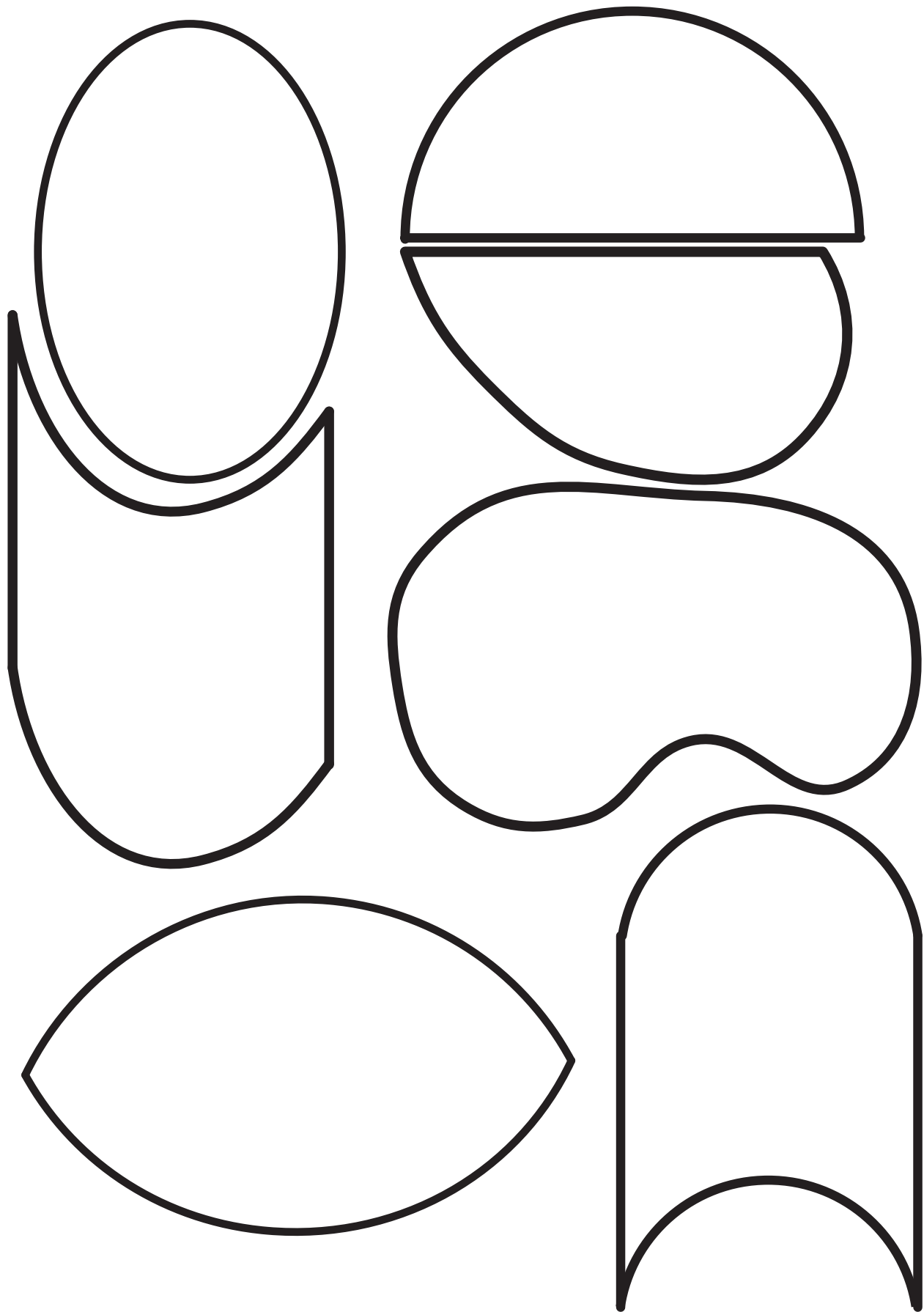


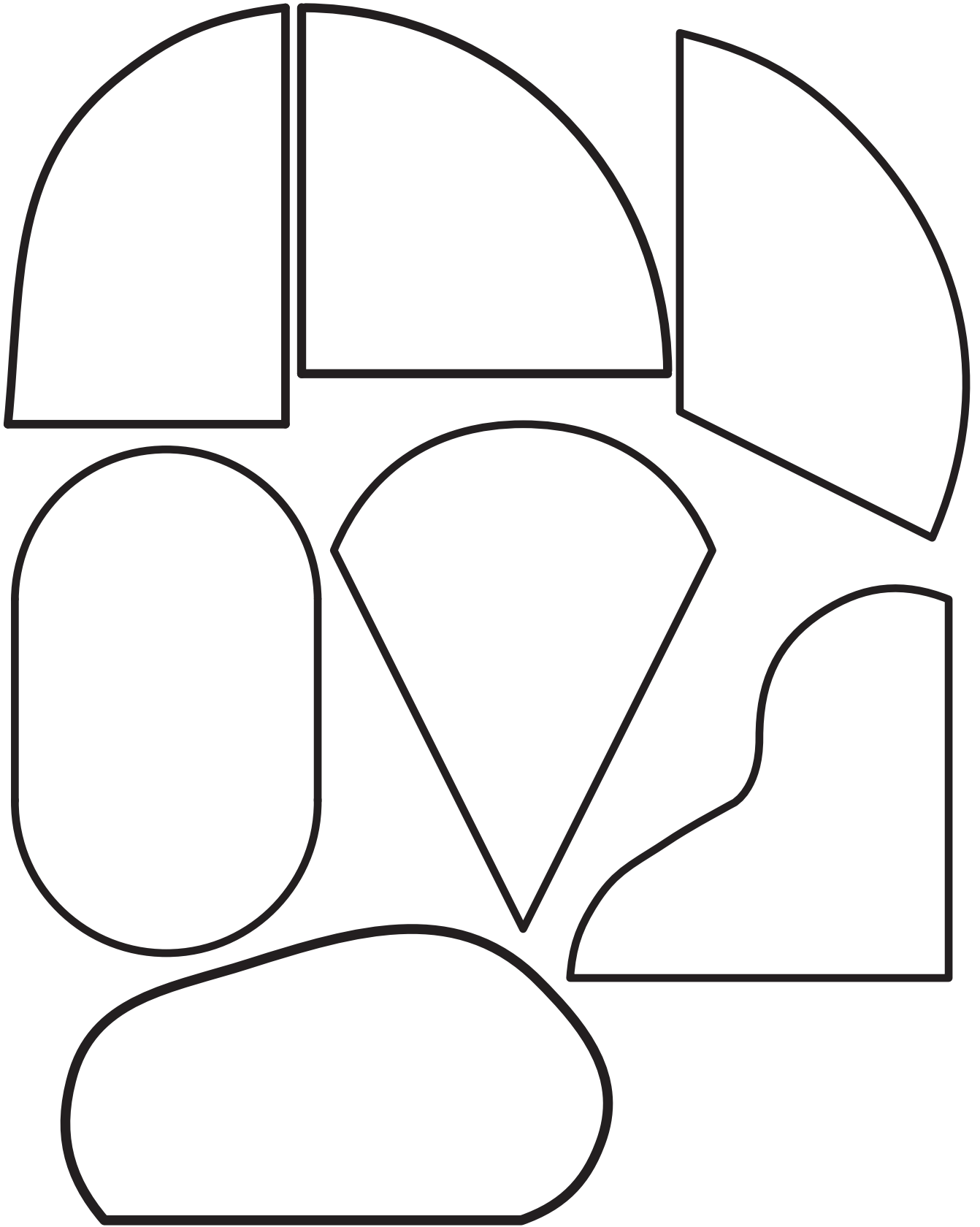


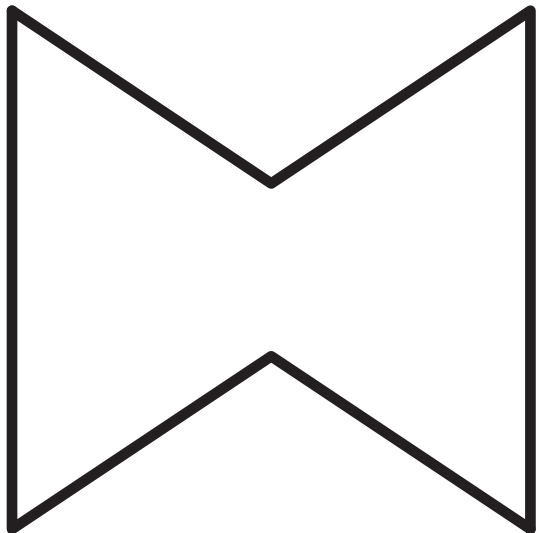
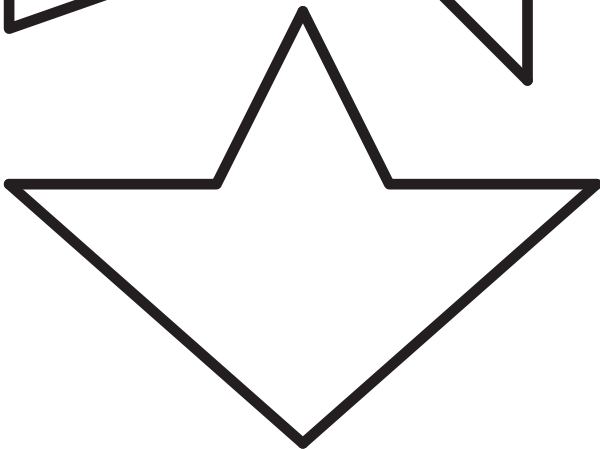
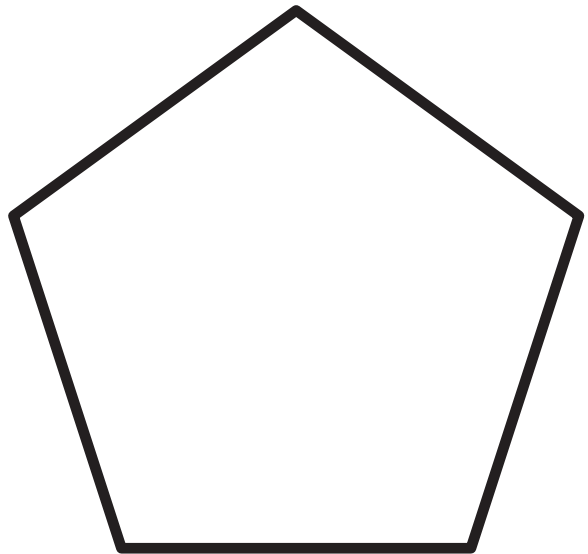
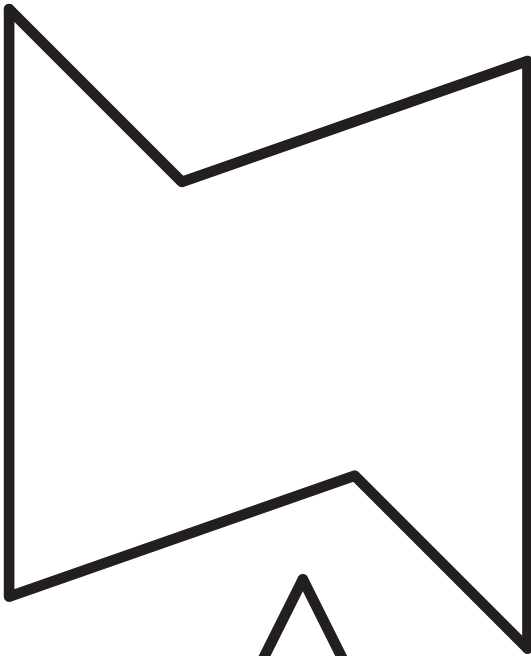
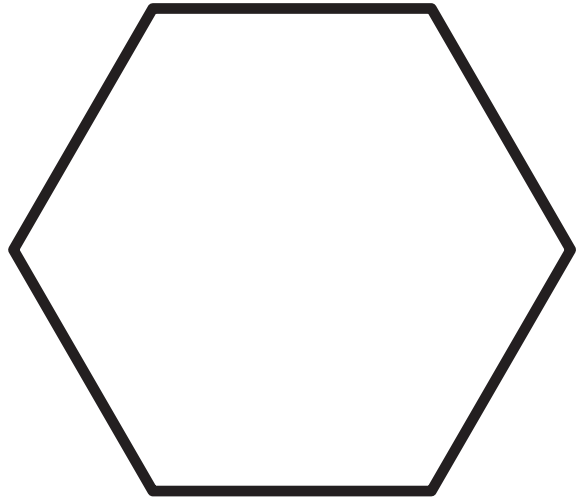
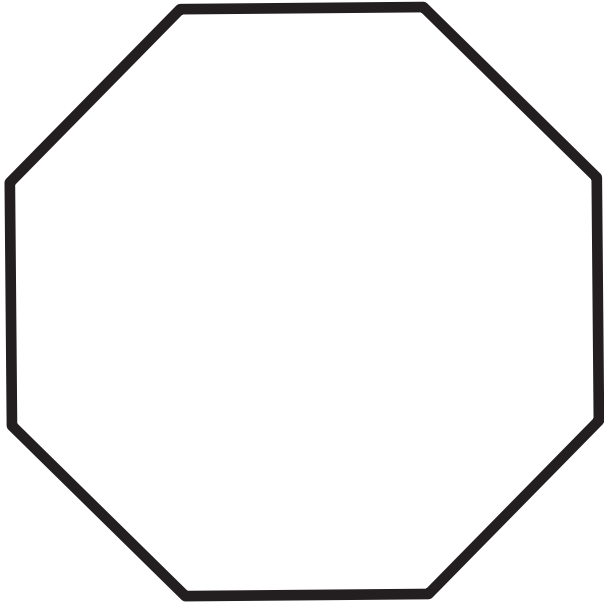


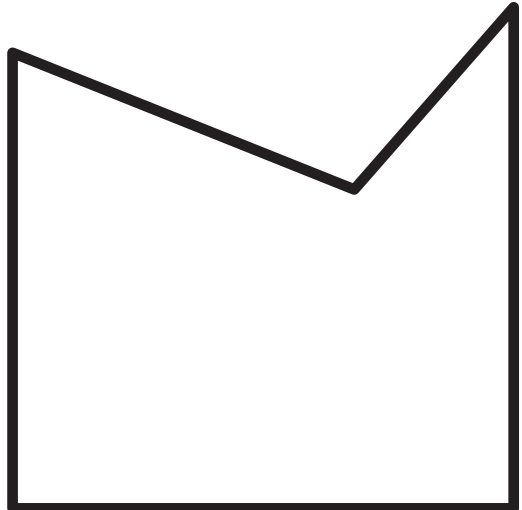
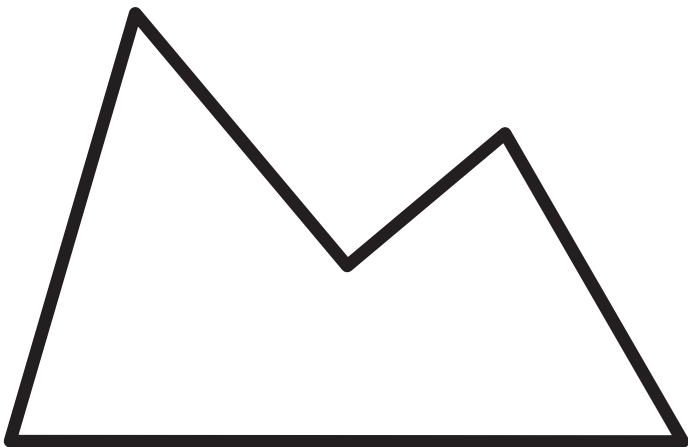
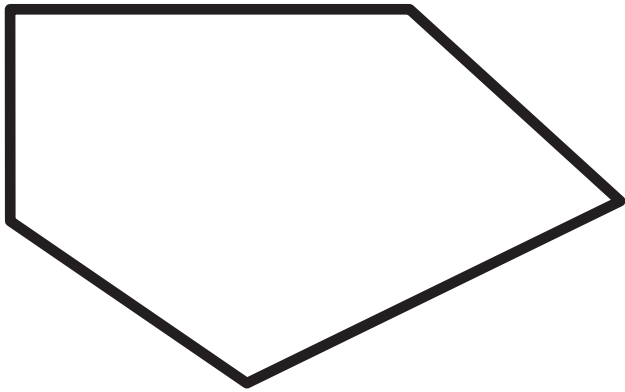
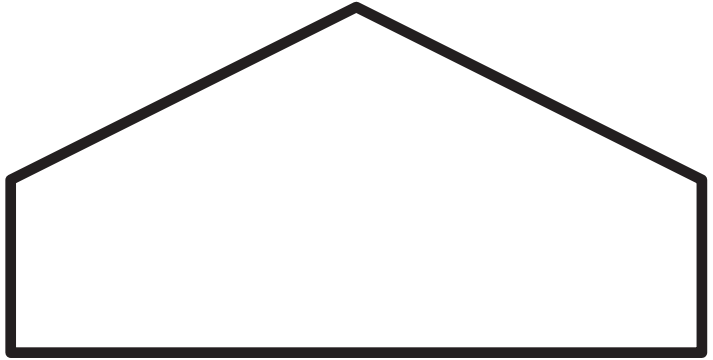
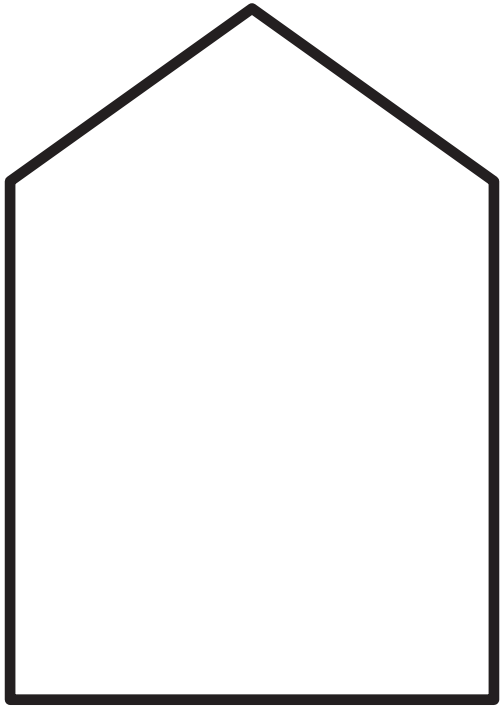


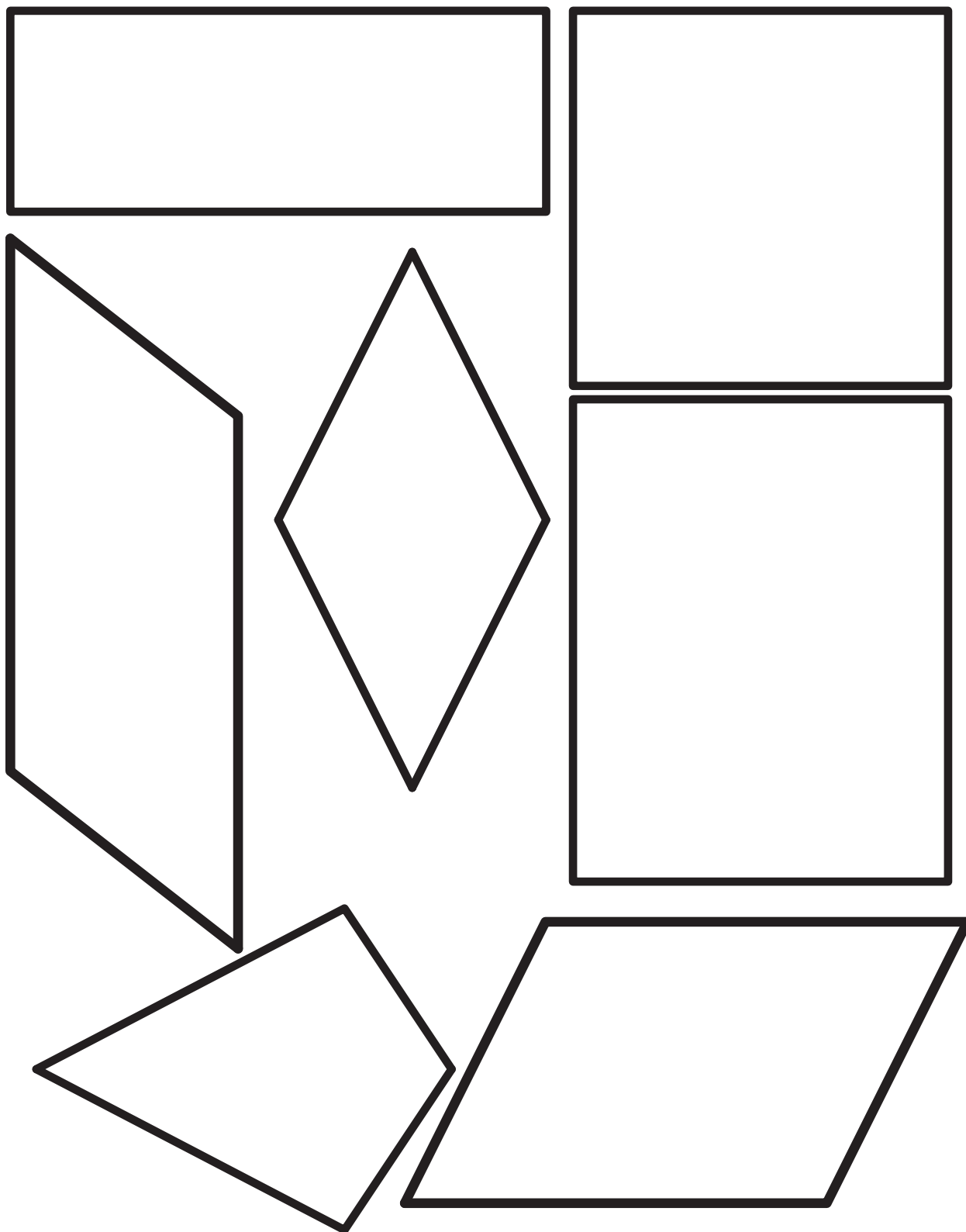




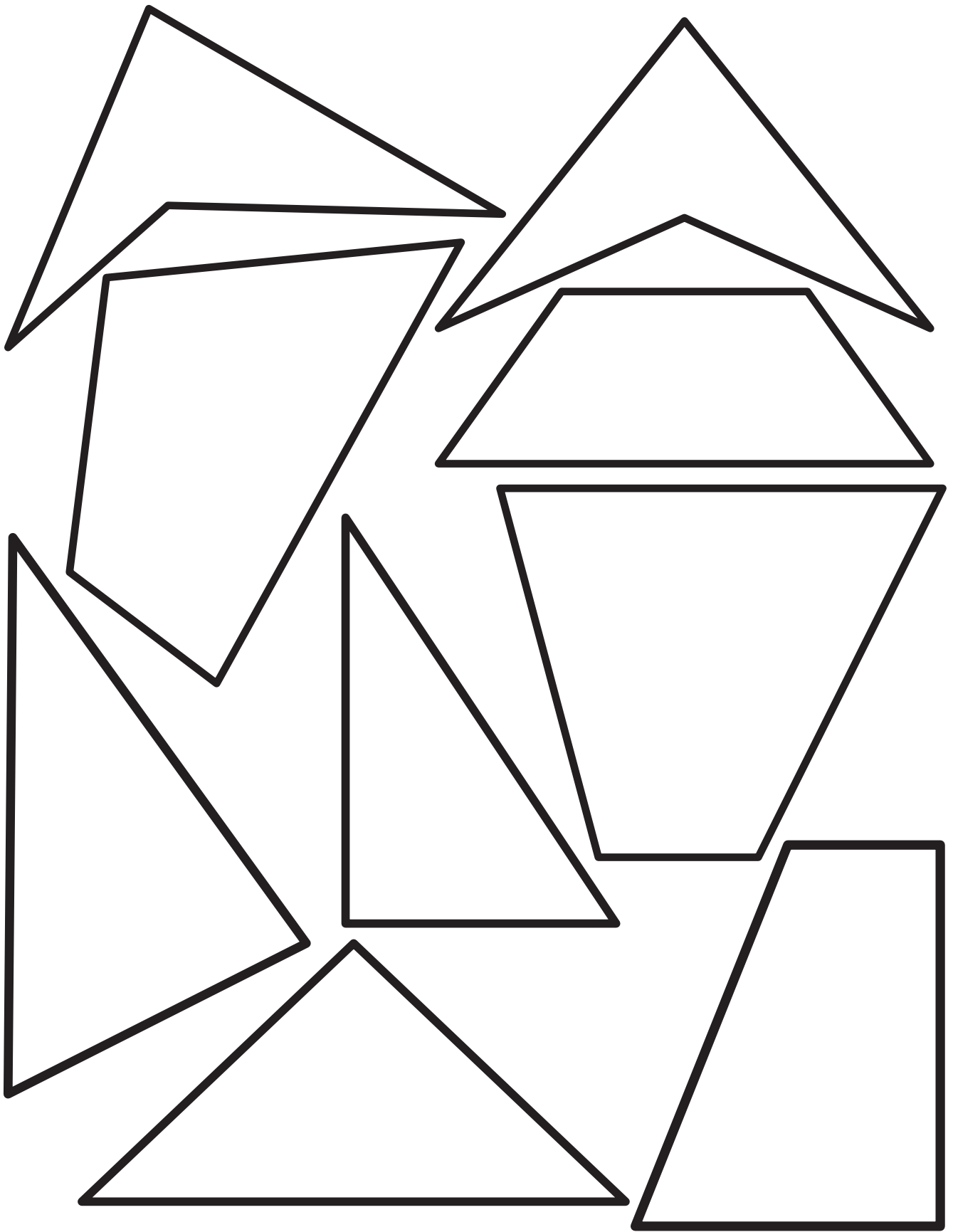


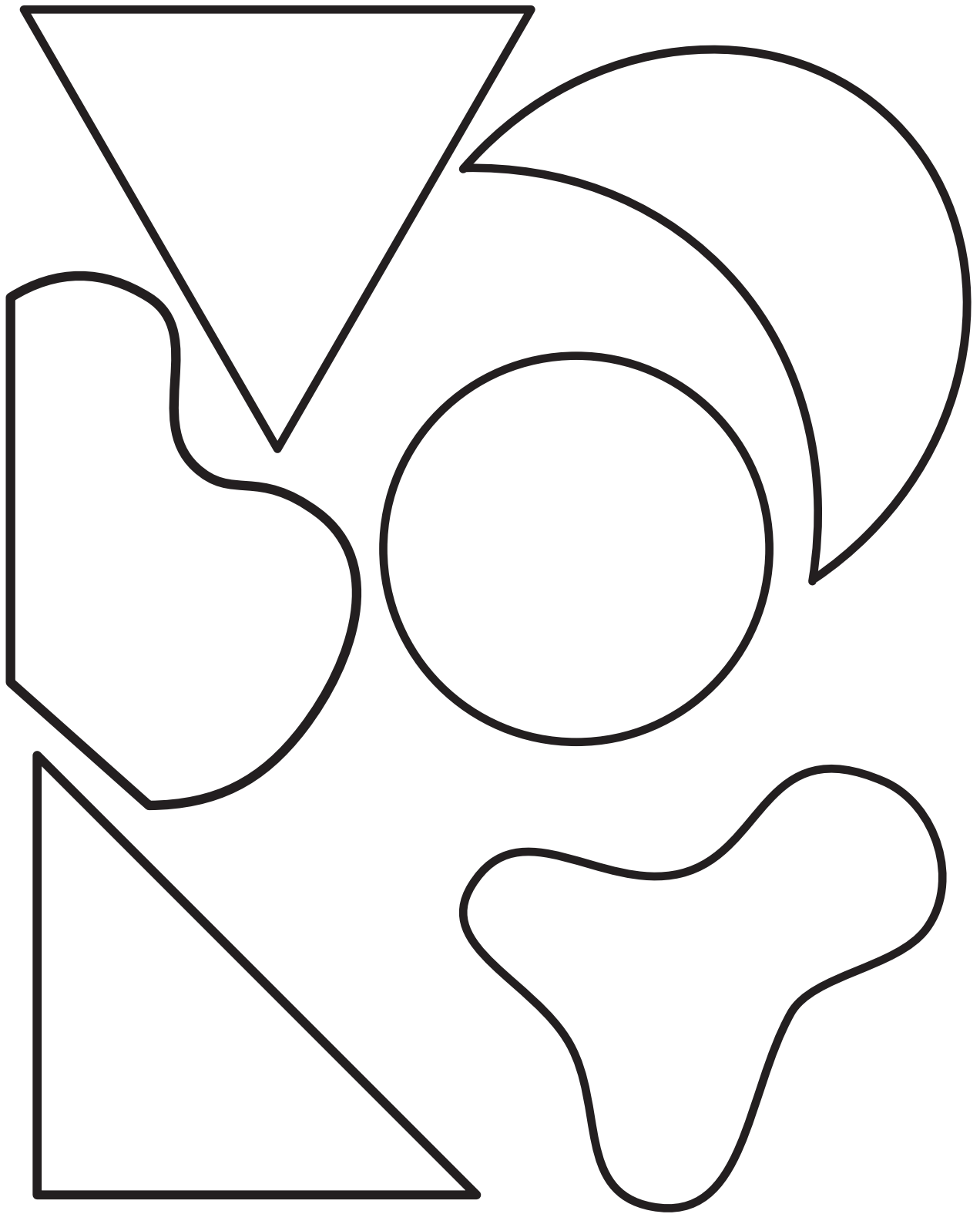


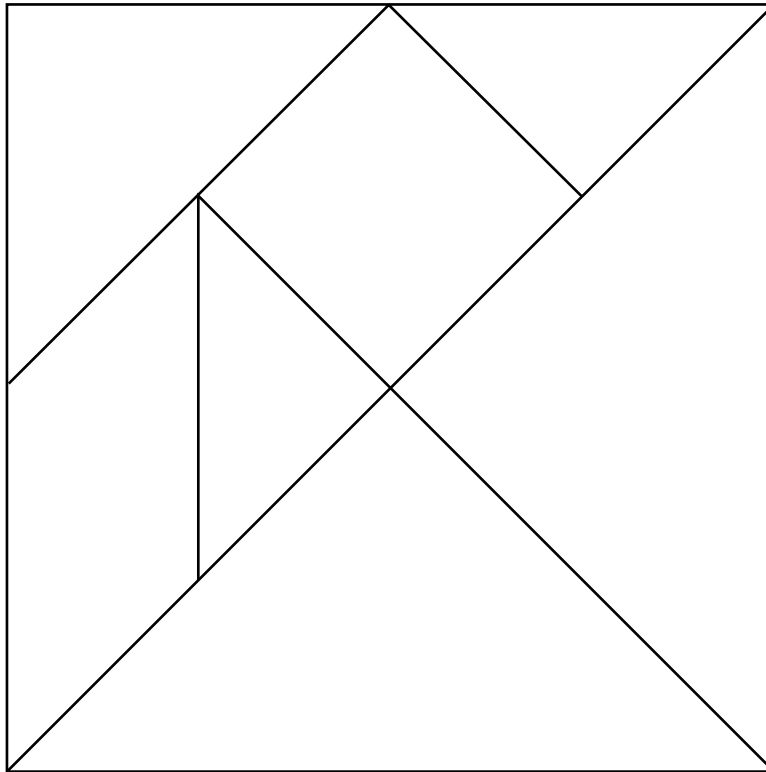




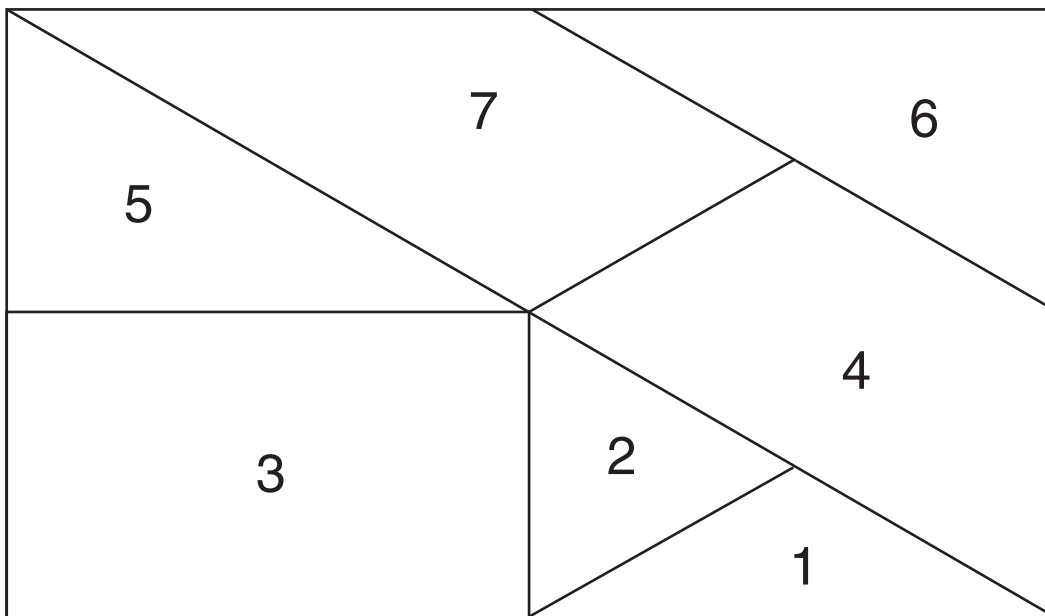




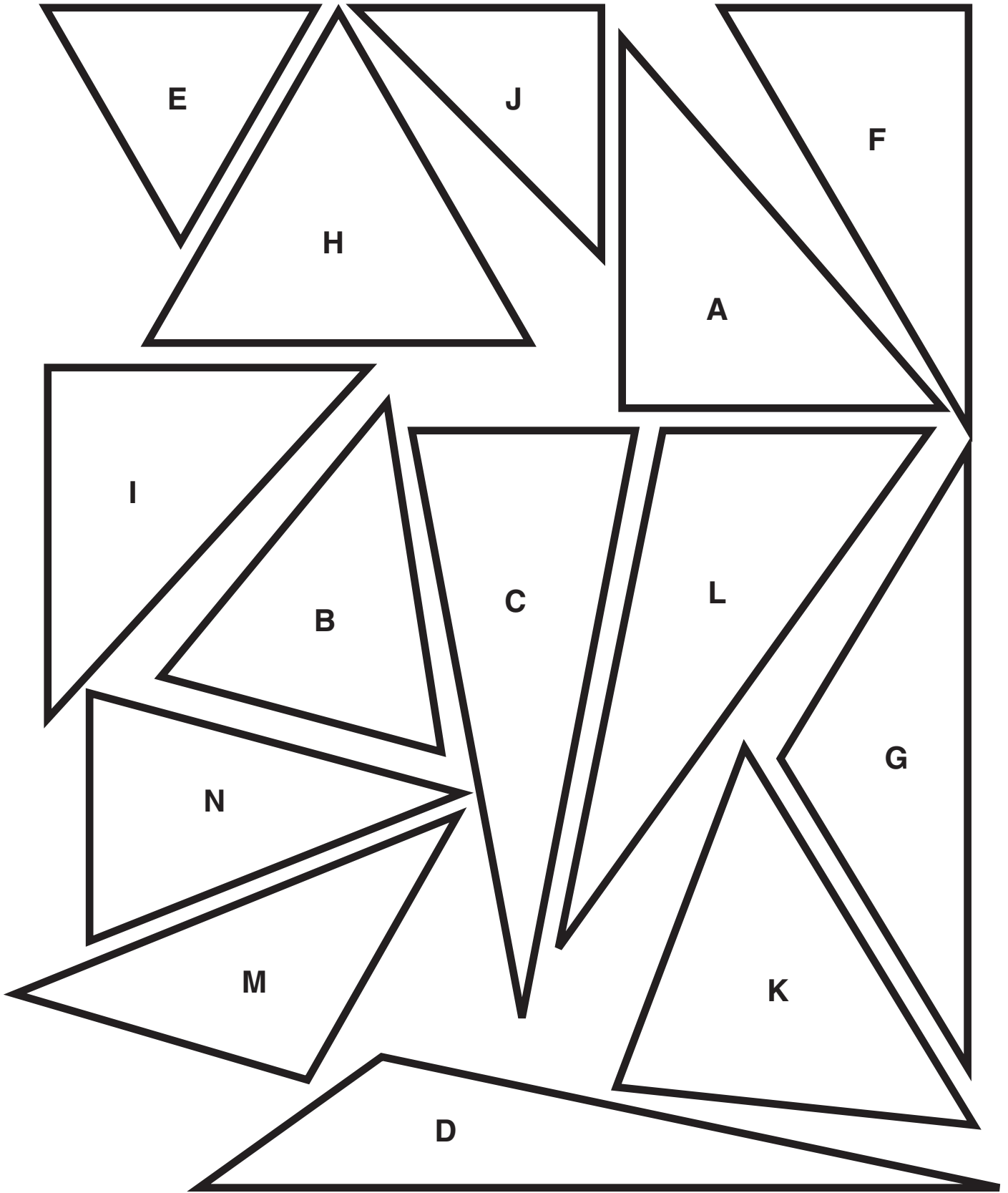




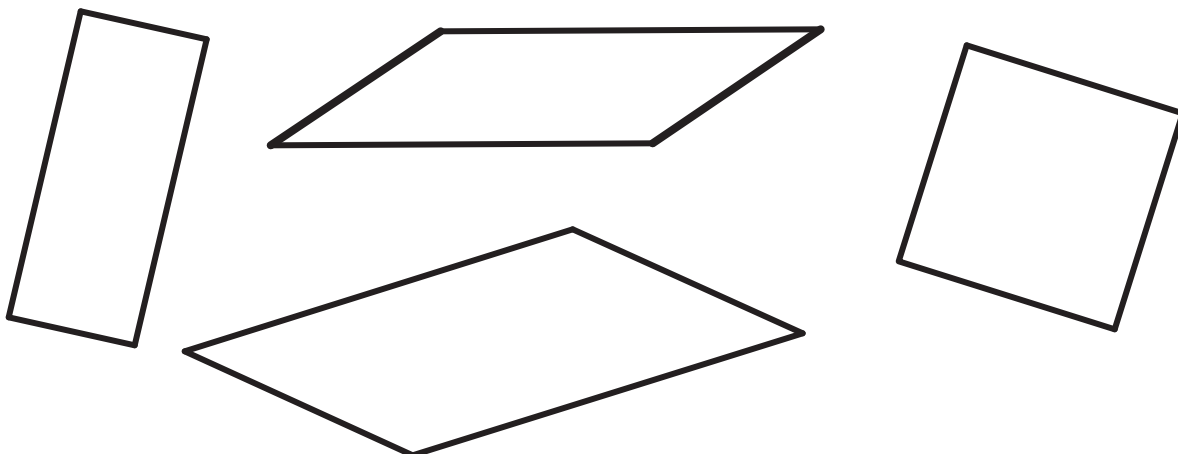
Tangrams



Mosaic puzzle



## Parallelograms



**Properties of sides:**

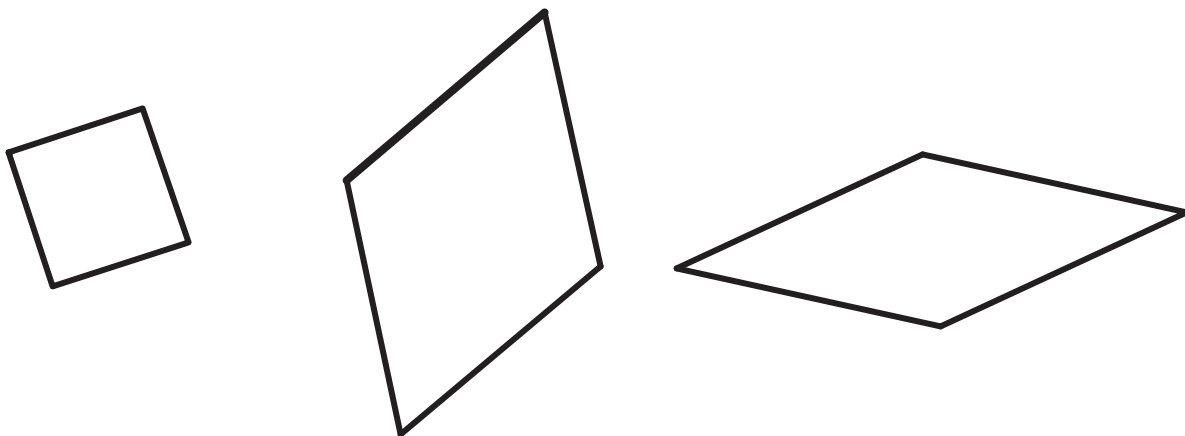
**Properties of angles:**

**Properties of diagonals:**

Note: Diagonals are perpendicular or not  
Bisected by the other or not  
Congruent or not

**Properties of symmetry (line and point):**

## Rhombuses



**Properties of sides:**

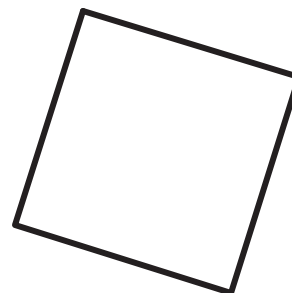
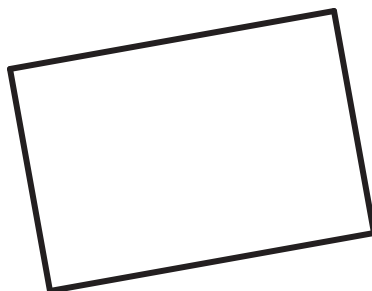
**Properties of angles:**

**Properties of diagonals:**

Note: Diagonals are perpendicular or not  
Bisected by the other or not  
Congruent or not

**Properties of symmetry (line and point):**

## Rectangles



**Properties of sides:**

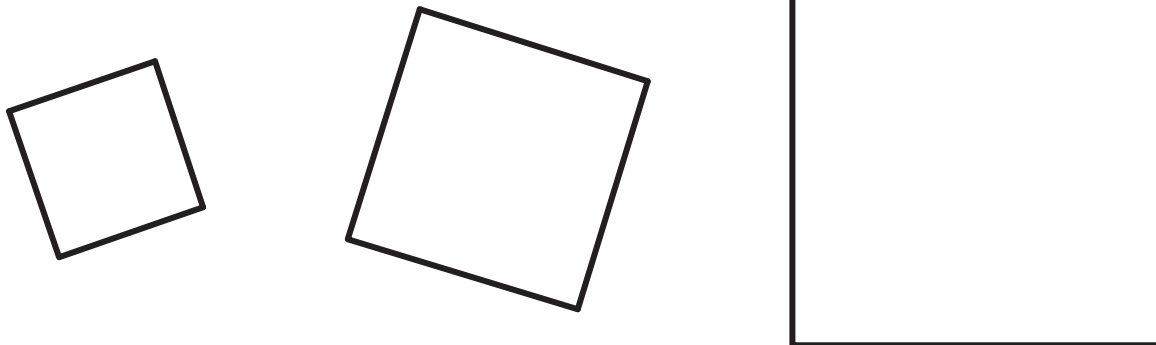
**Properties of angles:**

**Properties of diagonals:**

Note: Diagonals are perpendicular or not  
Bisected by the other or not  
Congruent or not

**Properties of symmetry (line and point):**

# Squares



**Properties of sides:**

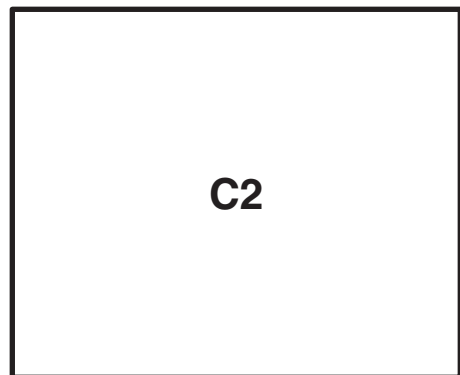
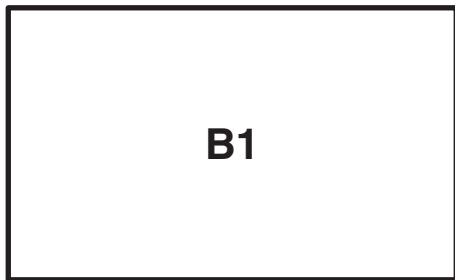
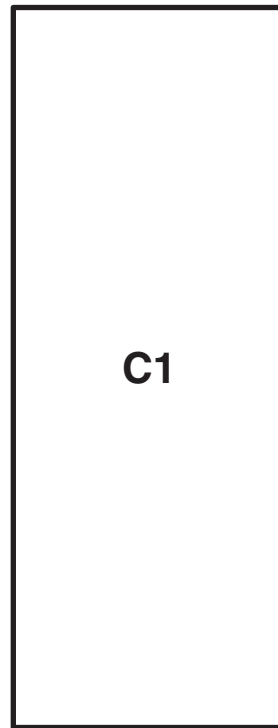
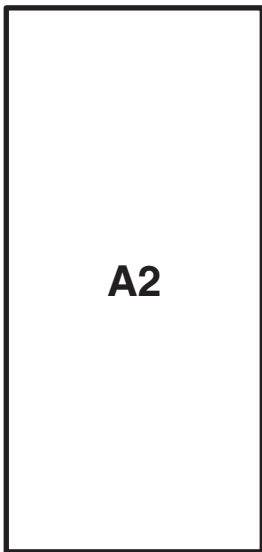
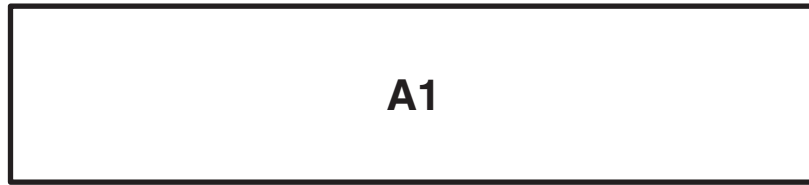
**Properties of angles:**

**Properties of diagonals:**

Note: Diagonals are perpendicular or not  
Bisected by the other or not  
Congruent or not

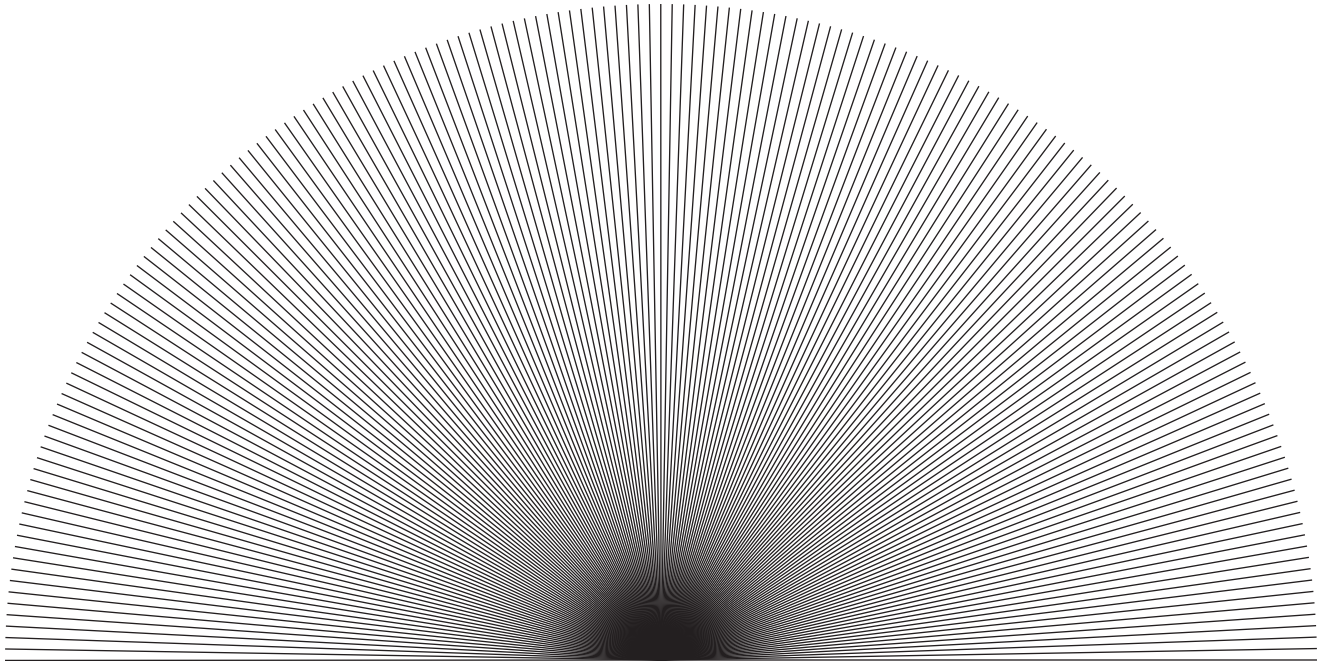
**Properties of symmetry (line and point):**



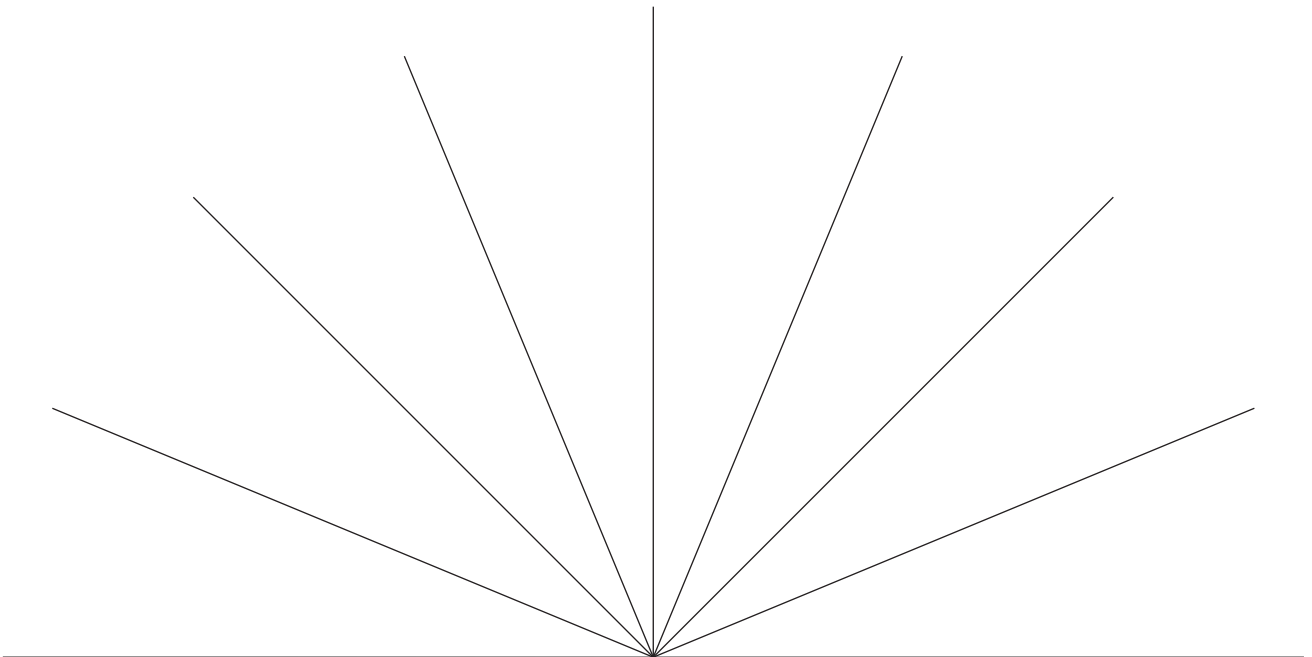


Cut out the rectangle. For each pair, decide which is larger or if they are the same area. You may cut or fold the rectangles to help with your decision.

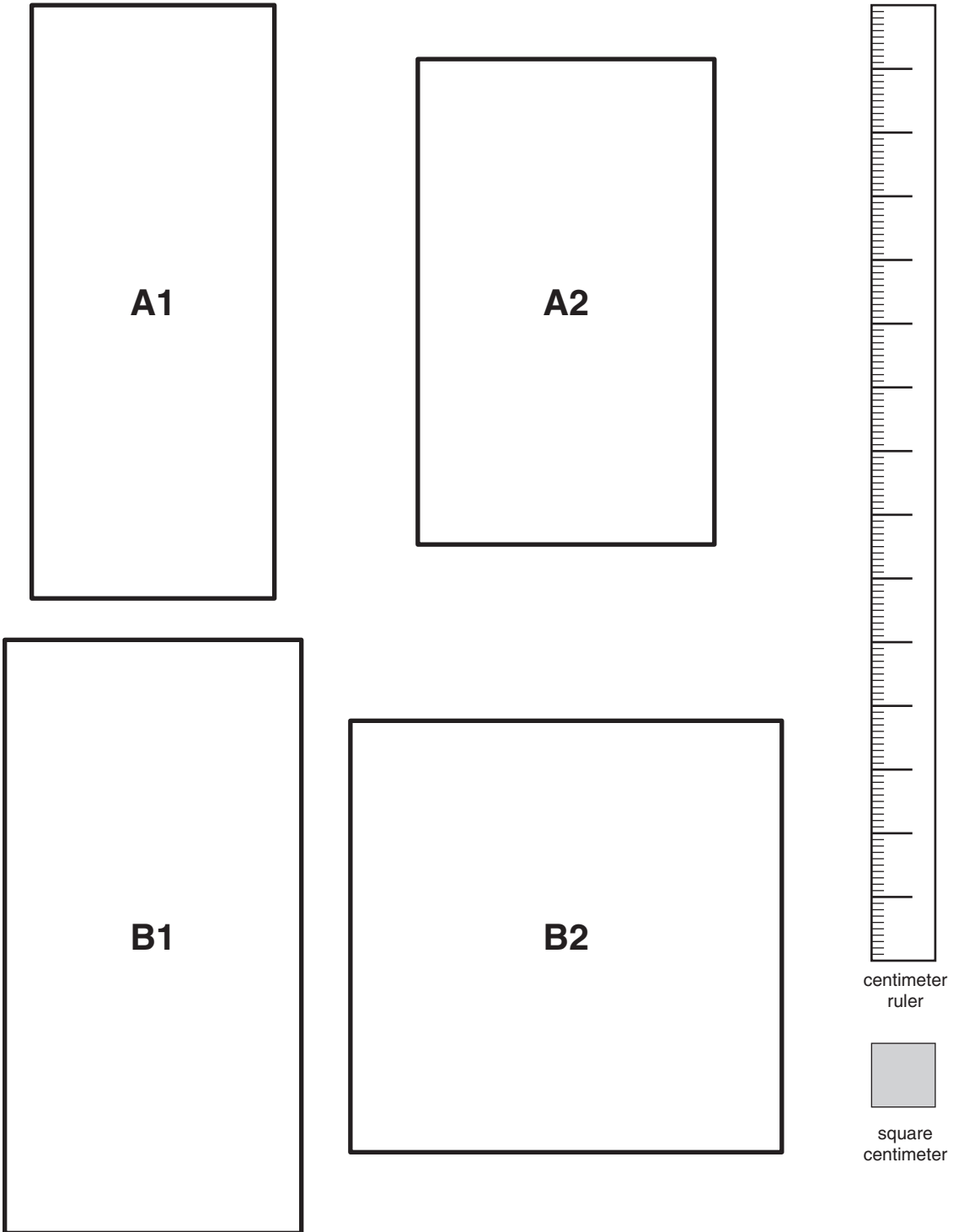
Explain your reasoning on separate paper.



180 Degrees



8 Wedges



In each pair, decide which rectangle is larger or if they are the same size. You may use one square centimeter and a centimeter ruler. Do not draw on the rectangles or cut them out. Explain your reasoning on a separate paper.

## It's a Matter of Rates

1. Terry can run 4 laps in 12 minutes. Susan can run 3 laps in 9 minutes. Who is the faster runner?
2. Jack and Jill were picking strawberries at the Pick Your Own Berry Patch. Jack "sampled" 5 berries every 25 minutes. Jill ate 3 berries every 10 minutes. If they both pick at about the same speed, who will bring home more berries?
3. Some of the hens in Farmer Brown's chicken farm lay brown eggs and the others lay white eggs. Farmer Brown noticed that in the large hen house he collected about 4 brown eggs for every 10 white ones. In the smaller hen house the ratio of brown to white was 1 to 3. In which hen house do the hens lay more brown eggs?
4. The Talks-a-Lot Phone Company charges 70¢ for every 15 minutes. Reaching Out Phone Company charges \$1.00 for 20 minutes. Which company is offering the cheaper rate?

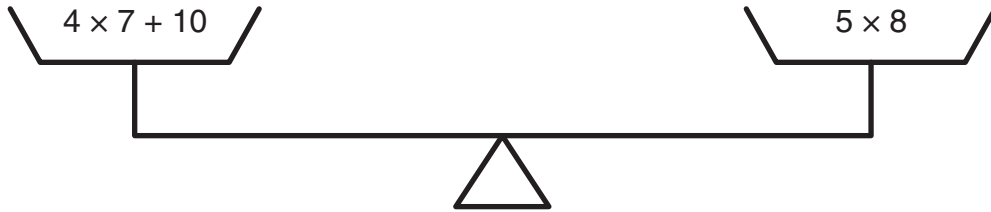
Name \_\_\_\_\_

**Rectangles made with 36 tiles**

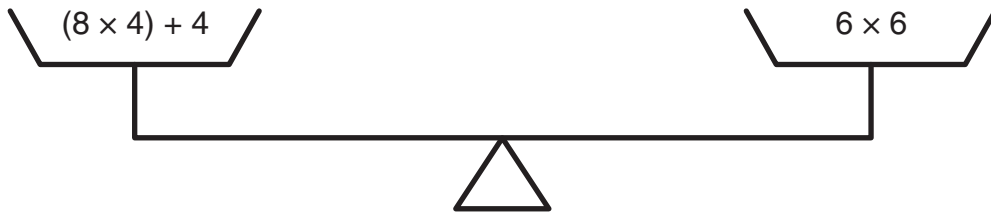
Rectangle Dimensions	Area	Perimeter

# Tilt or Balance?

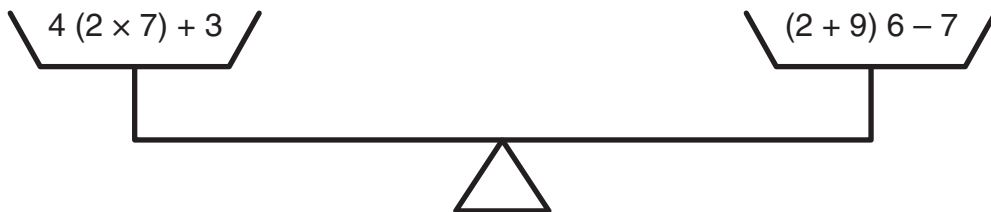
Name \_\_\_\_\_



$$4 \times 7 + 10 \begin{matrix} < \\ = \\ > \end{matrix} 5 \times 8$$



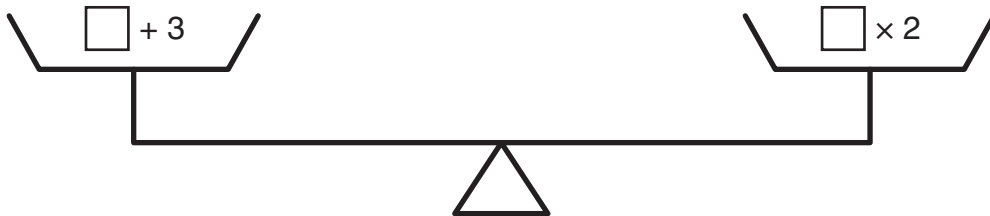
$$(8 \times 4) + 4 \begin{matrix} < \\ = \\ > \end{matrix} 6 \times 6$$



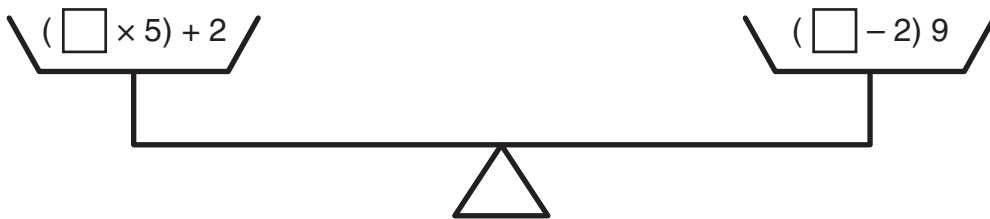
$$4(2 \times 7) + 3 \begin{matrix} < \\ = \\ > \end{matrix} (2 + 9)6 - 7$$

## Tilt or Balance Challenge

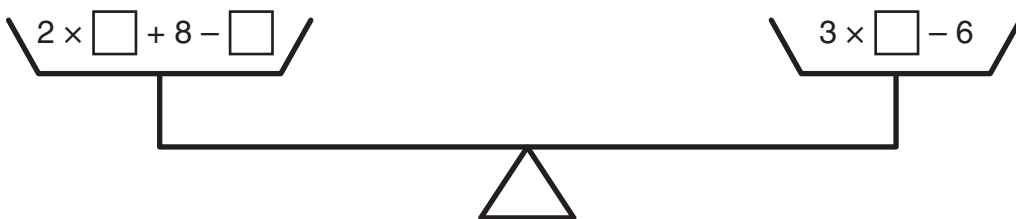
Name \_\_\_\_\_



$$\square + 3 \quad \underline{\quad} \quad \square \times 2$$



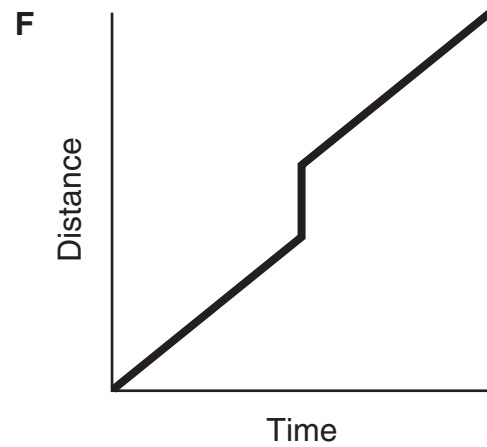
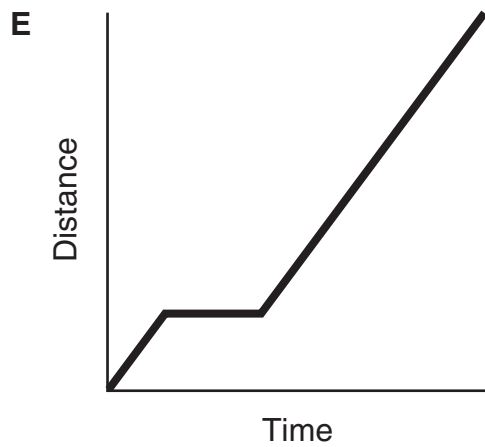
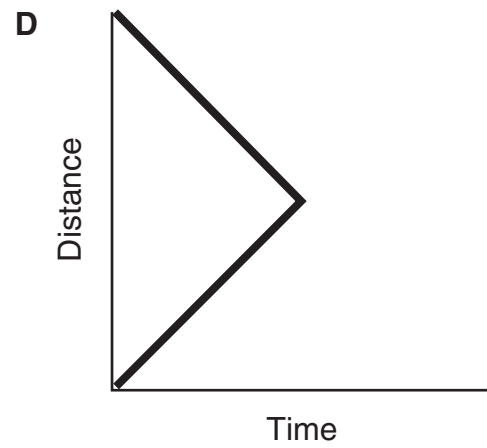
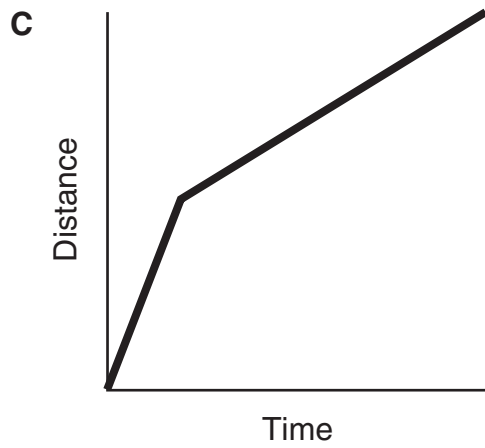
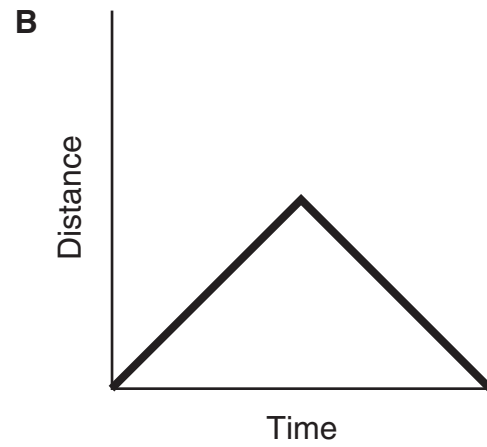
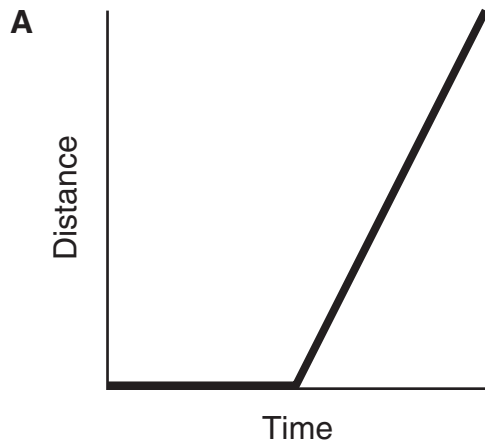
$$(\square \times 5) + 2 \quad \underline{\quad} \quad (\square - 2) 9$$



$$2 \times \square + 8 - \square \quad \underline{\quad} \quad 3 \times \square - 6$$

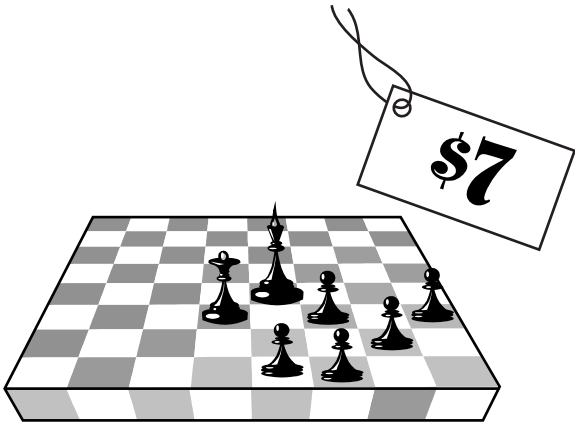
# Create a Journey Story

If possible, create a story about a journey that the graph could represent.  
If not possible, explain.





**Toy Purchases**



## Toying with Measures

Name \_\_\_\_\_

	Mean	Median	Mode
Original Set of 6			

**Make predictions based on these changes. Give reasons for your predictions.**

Add a \$20 toy			
Reasons			
Return the \$1 toy			
Reasons			
Get a free toy			
Reasons			
Buy a second \$12 toy			
Reasons			
Your change:			
Reasons			

**Calculate the actual statistics for each of the changes.**

Add a \$20 toy			
Return the \$1 toy			
Get a free toy			
Buy a second \$12 toy			
Your change:			