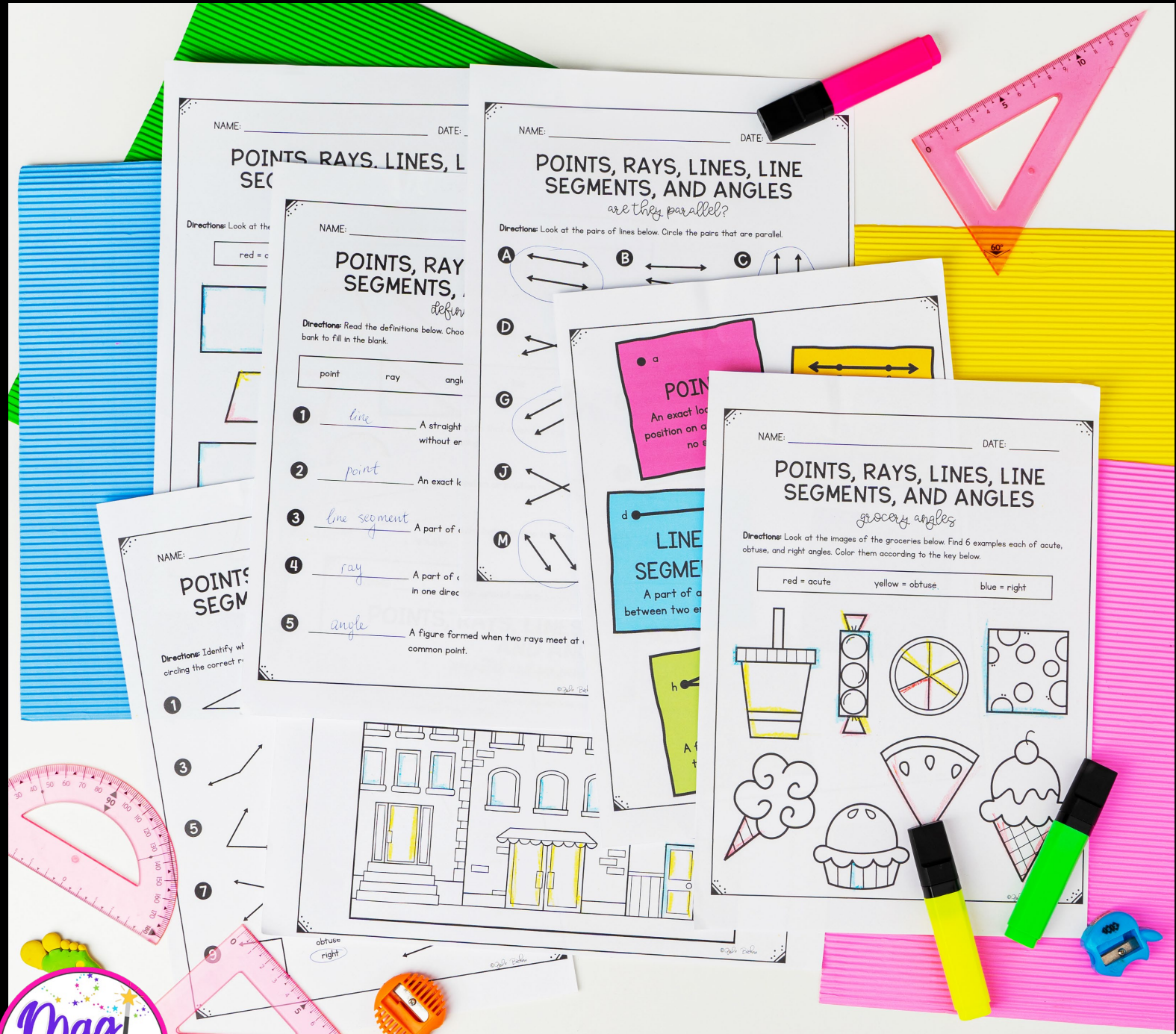


# POINTS, RAYS, LINES, LINE SEGMENTS AND ANGLES

4th Grade



Printable & Google Slides



# POINT SEG

Look at the  
red =

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINT SEG

Directions: Read the bank to fill in the blank.

point

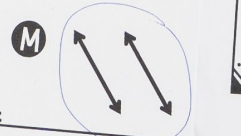
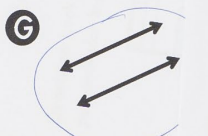
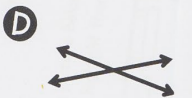
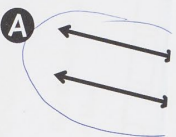
- 1 line
- 2 ray
- 3 line
- 4 ray
- 5 line

NAME: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS,

### POINT SEG

Directions: Look at the

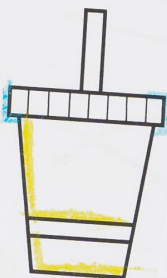


NAME: \_\_\_\_\_

### POINTS SEG

Directions: Look at the illustrations and identify the type of angle.

red = acute



**POINT**  
An exact location or position on a plane with no size.

**LINE SEGMENT**  
A part of a line between two endpoints.

**ANGLE**  
A figure formed when two rays meet at a common point.

**LINE**  
A straight path that extends in opposite directions and does not end.

**RAY**  
A part of a line with one endpoint that extends in one direction without ending.

©2014 Barbara

DATE: \_\_\_\_\_

# POINTS, LINES, LINE SEGMENTS, AND ANGLES

NAME: \_\_\_\_\_

## POINTS, LINES, LINE SEGMENTS, AND ANGLES

Directions: Read the definitions bank to fill in the blank.

|       |     |
|-------|-----|
| point | ray |
|-------|-----|

1 line

2 point

NAME: \_\_\_\_\_

## POINTS, LINES, LINE SEGMENTS, AND ANGLES

Directions: Look at the angles below and identify whether each is acute, obtuse, or right by circling the correct response.

A 

D 

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*angles*

Directions: Identify whether each of the following angles is acute, obtuse, or right by circling the correct response.

1  acute ☐ obtuse ☐ right ☐

2  acute ☐ obtuse ☐ right ☐

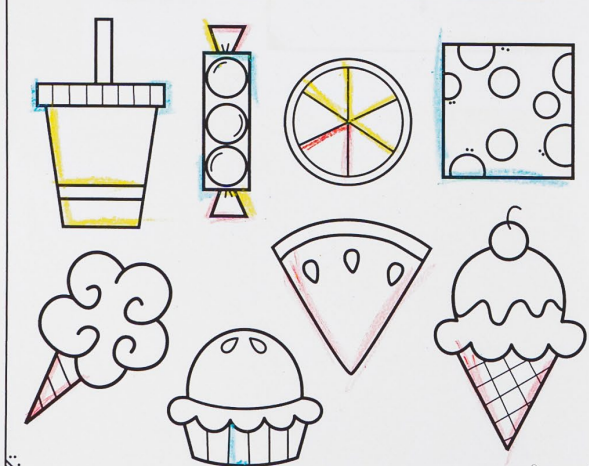
NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*grocery angles*

Directions: Look at the images of the groceries below. Find 6 examples each of: acute, obtuse, and right angles. Color them according to the key below.

red = acute      yellow = obtuse      blue = right

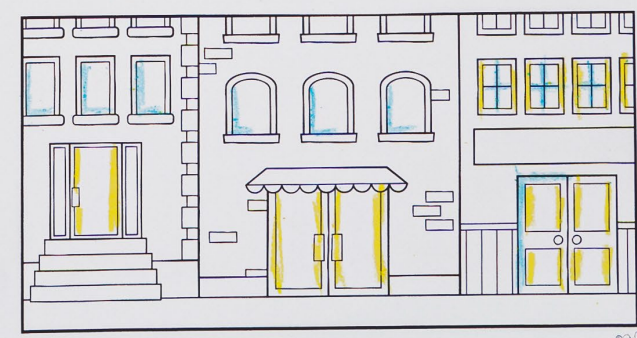


NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*parallel and perpendicular lines*

Directions: Look at the picture below. Find 10 pairs of parallel lines and highlight them in yellow. Find 10 sets of perpendicular lines and highlight them in blue.



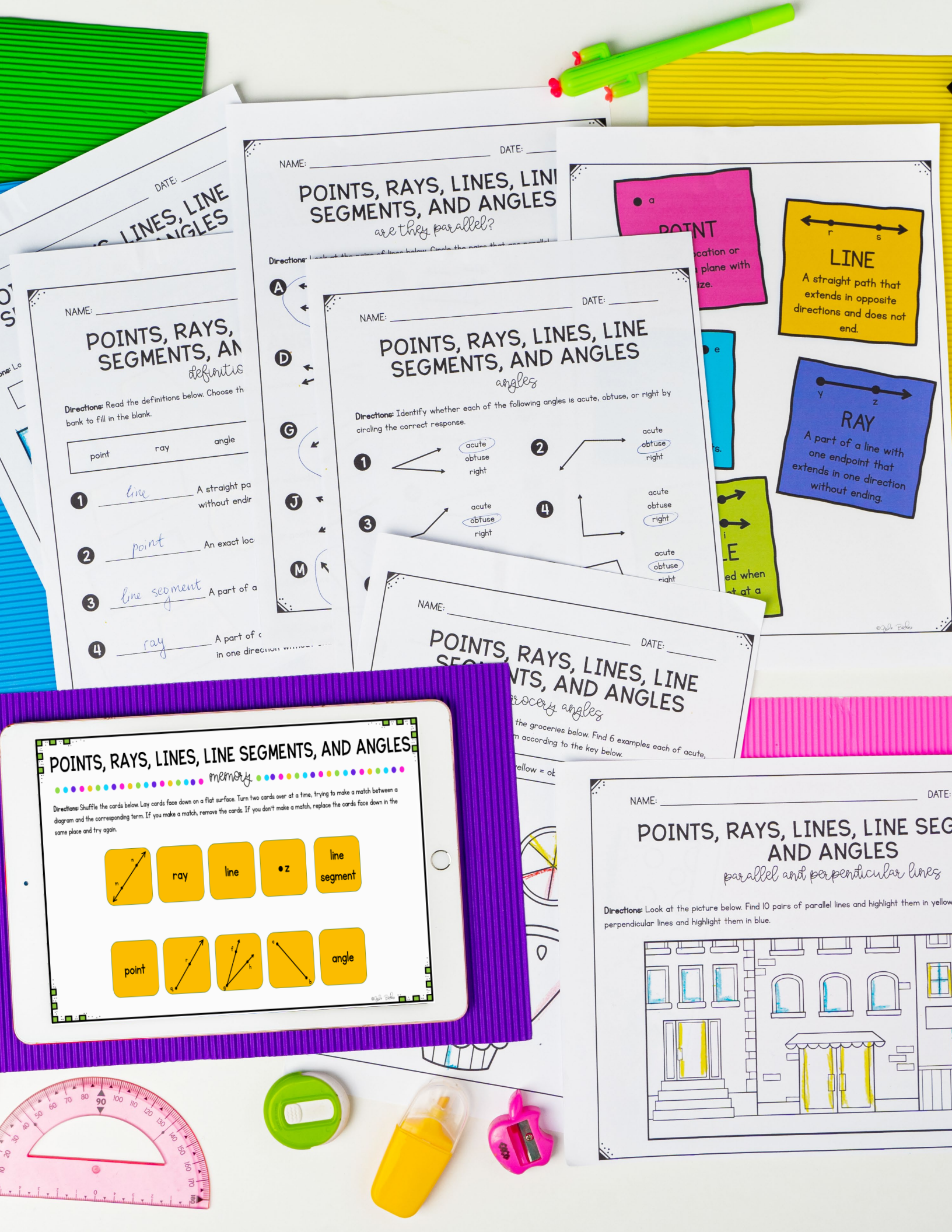
**POINT**  
An exact location or position on a plane with no size.

**LINE**  
A straight path that extends in opposite directions and does not end.

**LINE SEGMENT**  
A part of a line between two endpoints.

**ANGLE**  
A figure formed when two rays meet at a common point.

**RAY**  
A part of a line with one endpoint that extends in one direction without ending.



NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*definitions*

Directions: Read the definitions below. Choose the word from the bank to fill in the blank.

point      ray      angle

1 line A straight path without end.

2 point An exact location.

3 line segment A part of a line.

4 ray A part of a line that extends in one direction.

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*angles*

Directions: Identify whether each of the following angles is acute, obtuse, or right by circling the correct response.

1 acute ☒ obtuse ☐ right ☐

2 acute ☐ obtuse ☒ right ☐

3 acute ☒ obtuse ☐ right ☐

4 acute ☐ obtuse ☐ right ☒

**POINT**

A location or position on a plane with no size.

**LINE**

A straight path that extends in opposite directions and does not end.

**RAY**

A part of a line with one endpoint that extends in one direction without ending.

POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*memory*

Directions: Shuffle the cards below. Lay cards face down on a flat surface. Turn two cards over at a time, trying to make a match between a diagram and the corresponding term. If you make a match, remove the cards. If you don't make a match, replace the cards face down in the same place and try again.

ray      line      point      angle

line segment

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*parallel and perpendicular lines*

Directions: Look at the picture below. Find 10 pairs of parallel lines and highlight them in yellow. Find 5 pairs of perpendicular lines and highlight them in blue.

# POINT SEGMENT

Read the definition in the blank.

line  
point  
line segment  
ray  
angle

NAME: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

Directions: Look

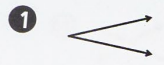


NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

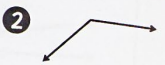
## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

angles

Directions: Identify whether each of the following angles is acute, obtuse, or right, circling the correct response.



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



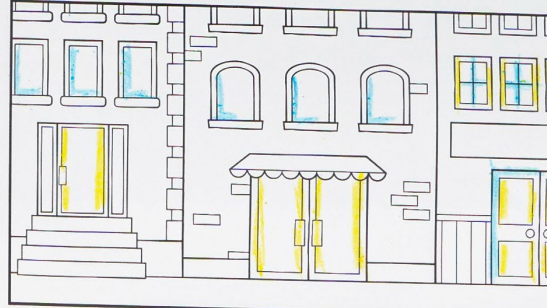
acute  
obtuse  
right

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

parallel and perpendicular lines

Directions: Look at the picture below. Find 10 pairs of parallel lines and highlight them in yellow. Find 10 pairs of perpendicular lines and highlight them in blue.



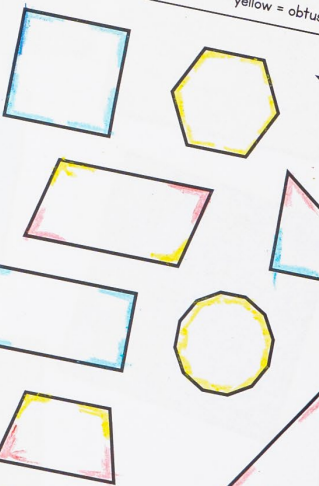
NAME: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

geometry

Directions: Look at the geometric shapes below. Color them according to the key.

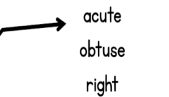
red = acute  
yellow = obtuse



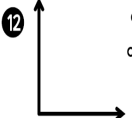
## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

test

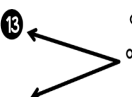
Identify whether each of the following angles is acute, obtuse, or right by circling the correct response.



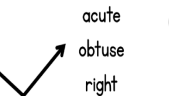
acute  
obtuse  
right



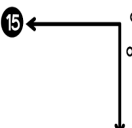
acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right



acute  
obtuse  
right

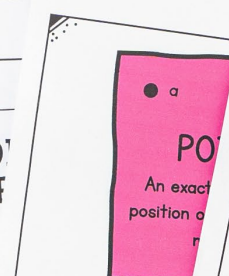


acute  
obtuse  
right

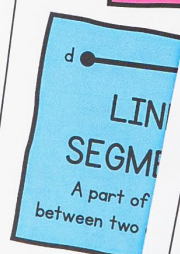
NAME: \_\_\_\_\_

## POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

Directions: Look at the picture below. Find 10 pairs of parallel lines and highlight them in yellow. Find 10 pairs of perpendicular lines and highlight them in blue.



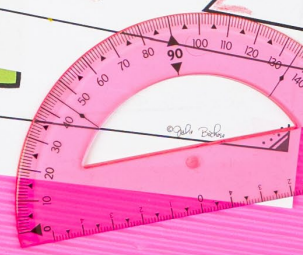
An exact position of a point.

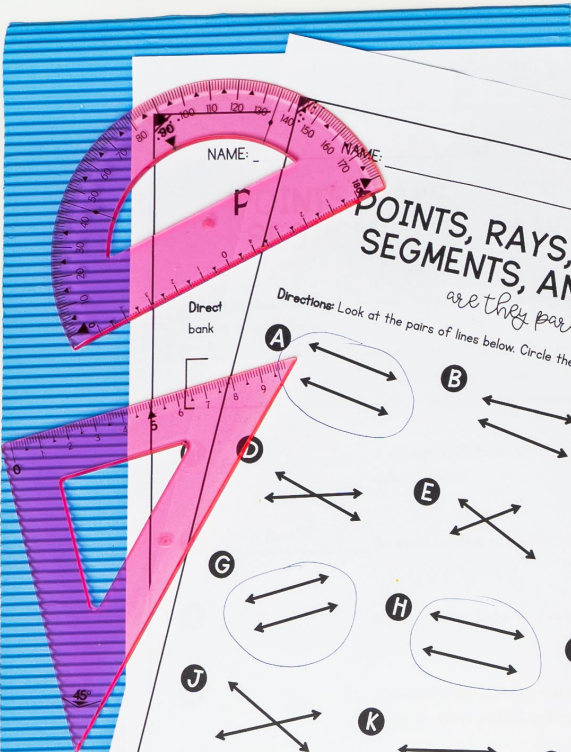


A part of a line between two points.



A part of a line between two points.





NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*are they parallel*

Directions: Look at the pairs of lines below. Circle the pair that are parallel.

Direct bank

A B

C D

E F

G H

I J

K L

M N

O P

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*geometry angles*

Directions: Look at the geometric shapes below. Color each angle according to the table below.

|             |                 |              |
|-------------|-----------------|--------------|
| red = acute | yellow = obtuse | blue = right |
|-------------|-----------------|--------------|

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*grocery angles*

Directions: Look at the images of the groceries below. Color the acute, obtuse, and right angles.

|             |                 |
|-------------|-----------------|
| red = acute | yellow = obtuse |
|-------------|-----------------|

**POINT**

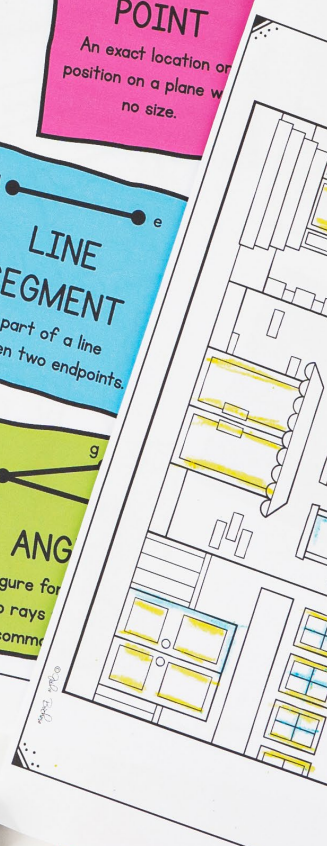
An exact location or position on a plane with no size.

**LINE SEGMENT**

A part of a line between two endpoints.

**ANGLE**

A figure formed by two rays with a common endpoint.



POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*geometric shapes*

Directions: Look at the geometric shapes below. Determine whether the shape contains any perpendicular or parallel lines. Check any applicable boxes.

5 ☐ Parallel lines ☐ Perpendicular lines ☐ Neither

6 ☐ Parallel lines ☐ Perpendicular lines ☐ Neither

7 ☐ Parallel lines ☐ Perpendicular lines ☐ Neither

8 ☐ Parallel lines ☐ Perpendicular lines ☐ Neither

# POINTS, RAYS, LINES, LINE SEGMENTS AND ANGLES

4<sup>th</sup> grade

## Table of Contents

1. Anchor Charts (3 pages)
2. Vocabulary and Definitions Practice (5 pages)
3. Acute & Obtuse Angles (6 pages)
4. Parallel & Perpendicular Lines (5 pages)
5. Test Review (4 pages)
6. Test (4 pages)



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## POINT

An exact location or position on a plane with no size.



## LINE

A straight path that extends in opposite directions and does not end.



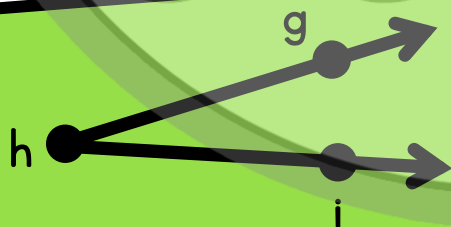
## LINE SEGMENT

A part of a line between two endpoints.



## RAY

A part of a line with one endpoint that extends in one direction without ending.



## ANGLE

A figure formed when two rays meet at a common point.

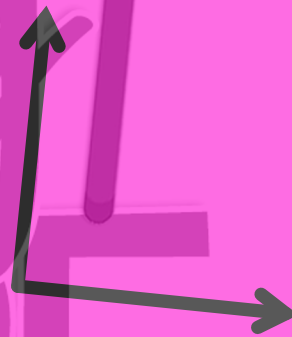
# ANGLES

## ACUTE



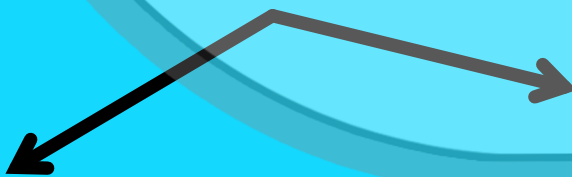
Acute angles  
measure less  
than  $90^\circ$

## RIGHT



Right angles  
measure  $90^\circ$

## OBTUSE



Obtuse angles  
measure more  
than  $90^\circ$

# TYPES OF LINES

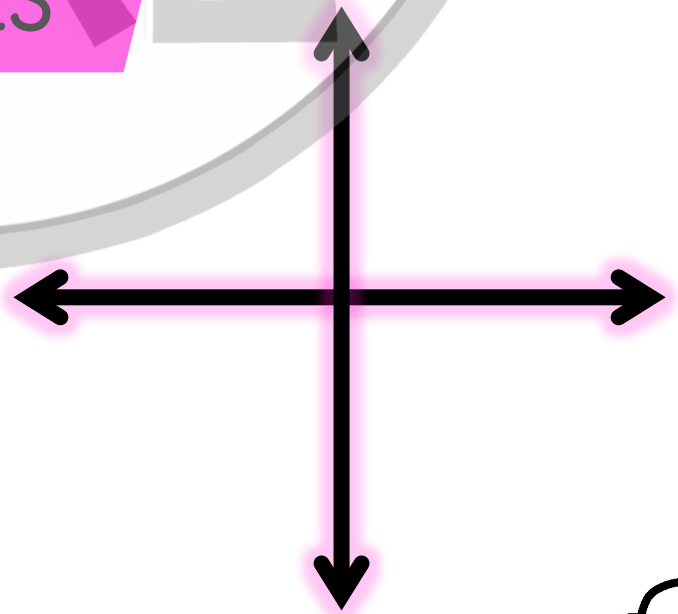
## PARALLEL LINES



When two lines or line segments are always the same distance apart. Parallel lines never cross.

## PERPENDICULAR LINES

When two lines or line segments cross to form right angles.



NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

## definitions

**Directions:** Read the definitions below. Choose the corresponding term from the word bank to fill in the blank.

point

ray

angle

line

line segment

1

\_\_\_\_\_ A straight path that extends in opposite directions without ending.

2

\_\_\_\_\_ An exact location or position with no size.

3

\_\_\_\_\_ A part of a line between two endpoints.

4

\_\_\_\_\_ A part of a line with one end point that extends in one direction without ending.

5

\_\_\_\_\_ A figure formed when two rays meet at a common point.

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*matching*

**Directions:** Draw a line to match each diagram to the corresponding term.

1



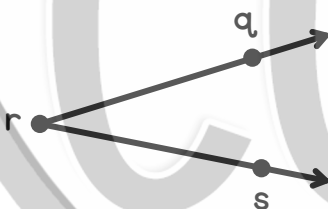
A Ray

2



B Line

3



C Point

D Angle

4



E Line segment

5



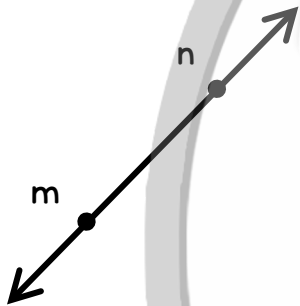
NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*memory*

**Directions:** Cut out and shuffle the cards below. Lay cards face down on a flat surface. Turn two cards over at a time, trying to make a match between a diagram and the corresponding term. If you make a match, remove the cards. If you don't make a match, replace the cards face down in the same place and try again.



ray

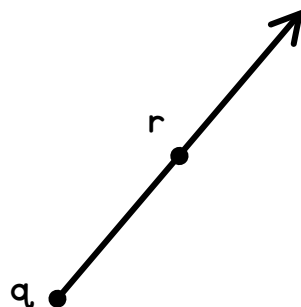
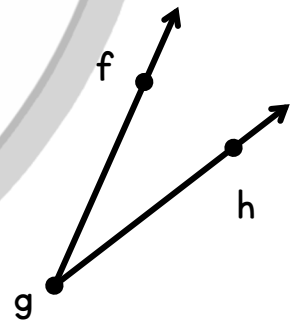
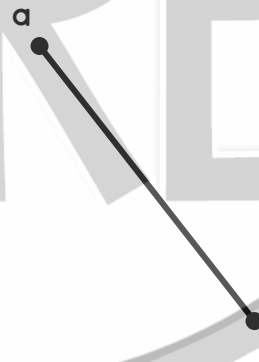
line



line

segment

angle



point

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*drawing*

**Directions:** Draw an example of each term give below.

**1** Ray

**2** Line

**3** Angle

**4** Point

**5** Line segment

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*naming figures*

**Directions:** Look at the figures below. Use the labeled points to name each figure.

1

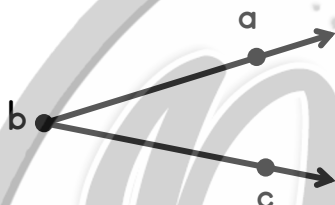


FIGURE  
NAME

2



FIGURE  
NAME

3



FIGURE  
NAME

4



FIGURE  
NAME

5

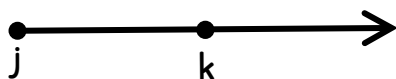


FIGURE  
NAME

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*angles*

**Directions:** Identify whether each of the following angles is acute, obtuse, or right by circling the correct response.

1



acute  
obtuse  
right

2



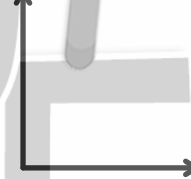
acute  
obtuse  
right

3



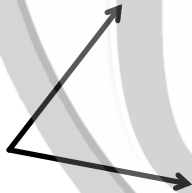
acute  
obtuse  
right

4



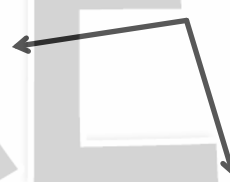
acute  
obtuse  
right

5



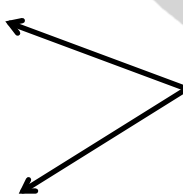
acute  
obtuse  
right

6



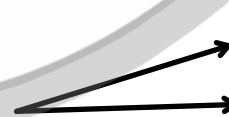
acute  
obtuse  
right

7



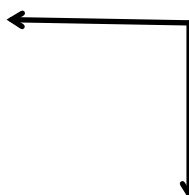
acute  
obtuse  
right

8



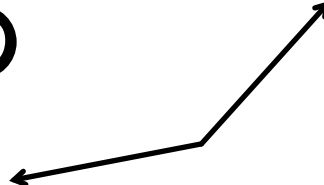
acute  
obtuse  
right

9



acute  
obtuse  
right

10



acute  
obtuse  
right

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

## *drawing angles*

**Directions:** For each type of angle below, draw a different example of the given angle type in each box.

ACUTE ANGLES

OBTUSE ANGLES

RIGHT ANGLE

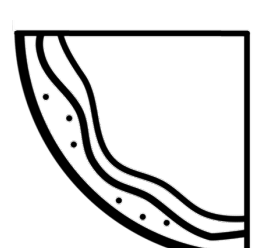
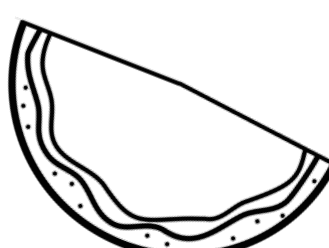
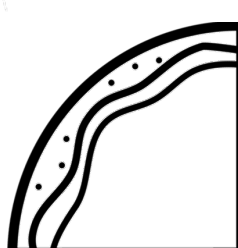
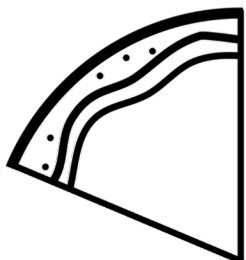
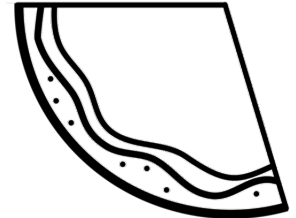
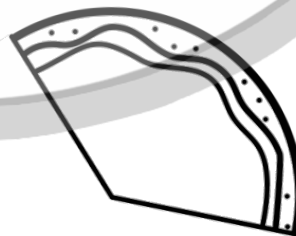
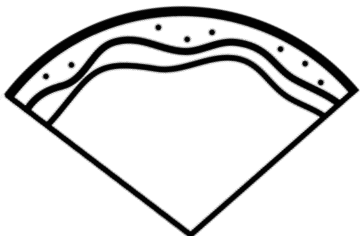
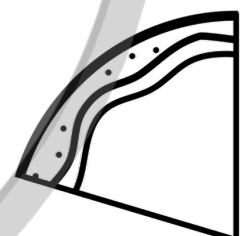
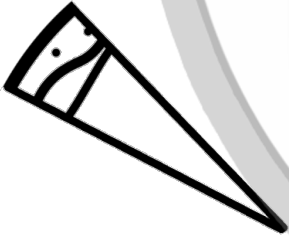
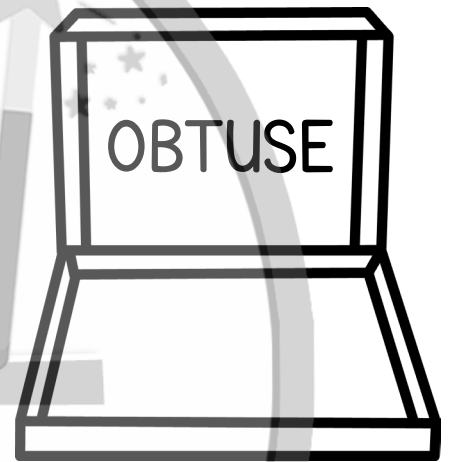
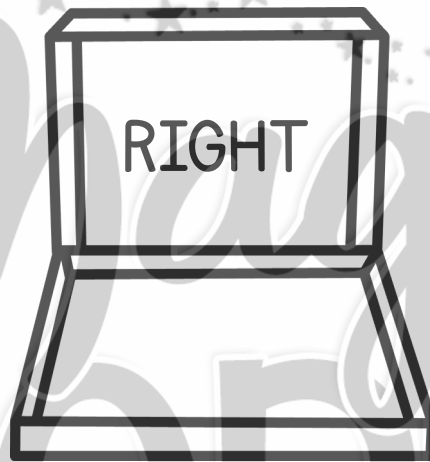
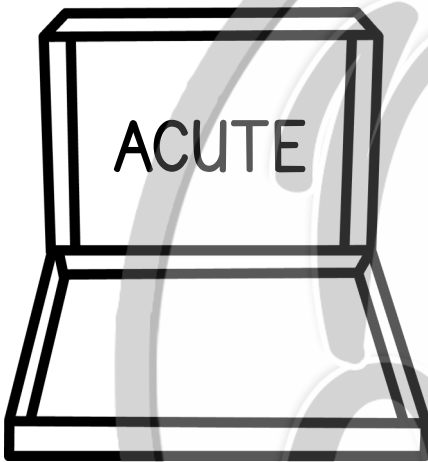
NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

## *pizza sorting*

**Directions:** Cut out the slices of pizza at the bottom of the page. Sort them into the correct pizza boxes according to the type of angle the pizza slice has.



NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

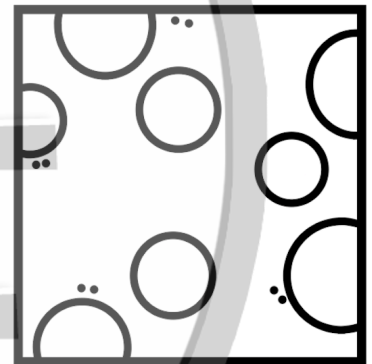
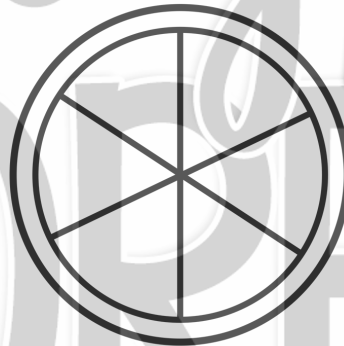
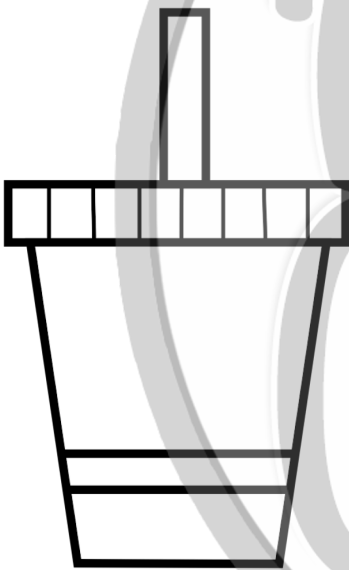
*grocery angles*

**Directions:** Look at the images of the groceries below. Find 6 examples each of acute, obtuse, and right angles. Color them according to the key below.

red = acute

yellow = obtuse

blue = right



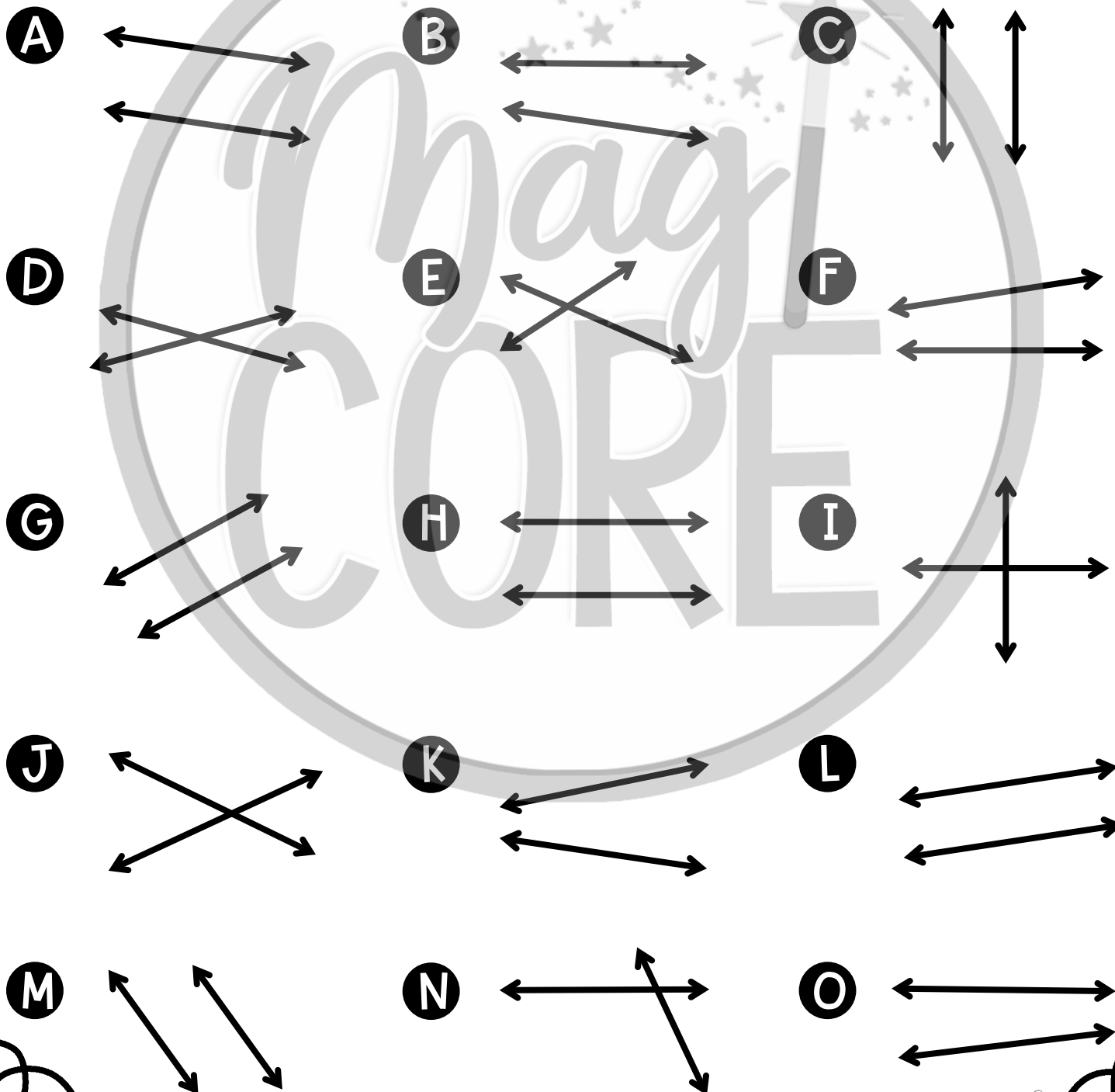
NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*are they parallel?*

**Directions:** Look at the pairs of lines below. Circle the pairs that are parallel.



NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

*geometric shapes*

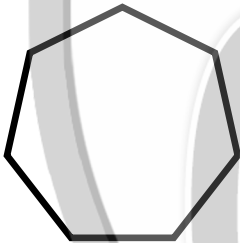
**Directions:** Look at the geometric shapes below. Determine whether the shape contains any perpendicular or parallel lines. Check any applicable boxes.

**1**

- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

**2**

- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

**3**

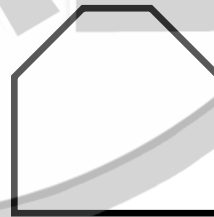
- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

**4**

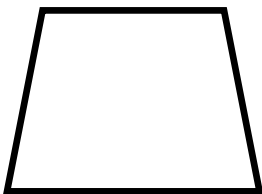
- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

**5**

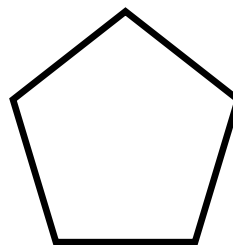
- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

**6**

- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

**7**

- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

**8**

- ☐ Parallel lines
- ☐ Perpendicular lines
- ☐ Neither

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

# POINTS, RAYS, LINES, LINE SEGMENTS, AND ANGLES

## test review

**Directions:** Read the definitions below. Choose the corresponding term from the word bank to fill in the blank.

ray

line

point

angle

line segment

1

\_\_\_\_\_ A part of a line with one end point that extends in one direction forever.

2

\_\_\_\_\_ A figure formed when two rays meet at a common point.

3

\_\_\_\_\_ A straight path that extends in both directions with no endpoints.

4

\_\_\_\_\_ An exact location or position with no size.

5

\_\_\_\_\_ A part of a line that has two endpoints and a determined length.

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