AMERICAN MATH HW
WEEK OF January 19-23, 2026

Due Date: **Sunday, 1/25 by midnight**

Focus for the week: The focus of the HW this week is parallel and perpendicular lines, and classifying triangles by sides and angles.

Pacing guideline: Look at the top right corner of the page for the suggested pace.

Uploading Instructions: Homework will be accepted only through Archie. Upload homework on Archie and wait till you get the message – "**the file has been successfully uploaded**". If for any reason you have technical issues, get in touch with me as soon as possible.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

IMPORTANT – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only the final answer is written and no work is shown.

Note: Bring your homework to class everyday. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day's instruction builds on the previous lesson.

ANNOUNCEMENT – Quiz on Wed 1/22 on content covered last week and this week.

Additional Practice Material (Optional):

1) IXL practice:
   i. Go to IXL.com on any web browser OR IXL app on iPad
   ii. Login using following credentials:
      - Username – your_archie_username@archimedeanacad
      - Password – archie199
   iii. Go to Learning> Skills> Fourth Grade Math
   iv. Practice modules –
   Fourth Grade : JJ, LL

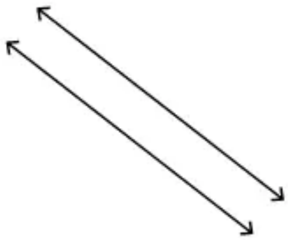
Monday

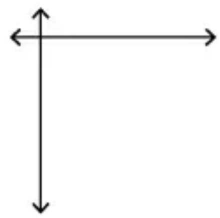
Name: .... Date: ....

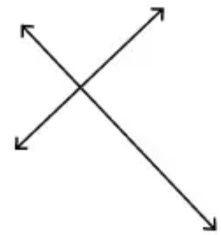
MATH MONKS

Parallel and Perpendicular Lines Worksheet

1. Write whether the given pairs of lines are 'Parallel' or 'Perpendicular'.

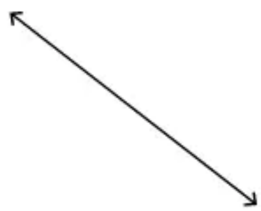
a

____

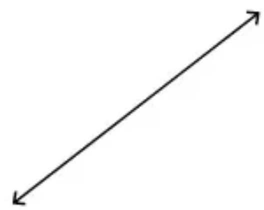
b

____

c

____

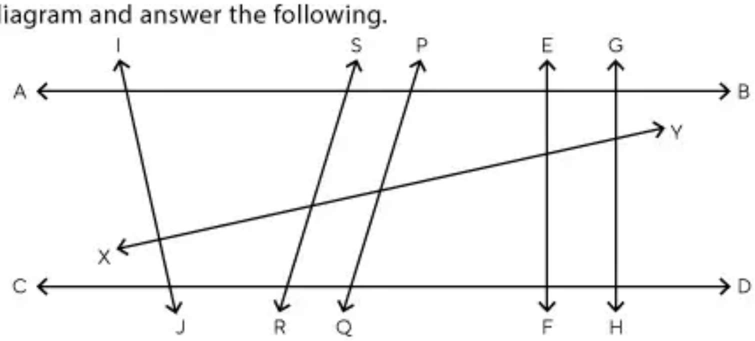
2. Draw the lines which are parallel to each of the below lines.

a


b


c


3. Look at the diagram and answer the following.



a $\overleftrightarrow{AB}$ and $\overleftrightarrow{CD}$ are _______________

b Name two lines perpendicular to $\overleftrightarrow{CD}$ _______________

c $\overleftrightarrow{EF}$ and $\overleftrightarrow{GH}$ are _______________

d Name two pairs of parallel lines _______________

e Name two lines perpendicular to $\overleftrightarrow{AB}$ _______________

f $\overleftrightarrow{AB}$ and $\overleftrightarrow{EF}$ are _______________

g Name the lines perpndicular to $\overleftrightarrow{IJ}$ _______________

Tuesday

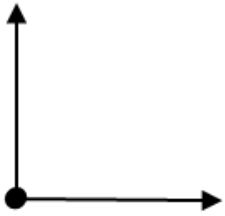
Estimating angles

Grade 5 Geometry Worksheet

Choose the best estimate of the size of the angles shown.

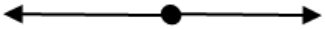
1)

a. 180°
b. 10°
c. 90°
d. 35°



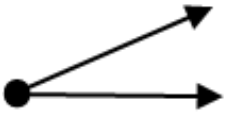
2)

a. 90°
b. 180°
c. 100°
d. 45°



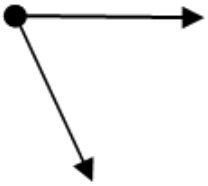
3)

a. 30°
b. 65°
c. 180°
d. 90°



4)

a. 80°
b. 45°
c. 120°
d. 5°

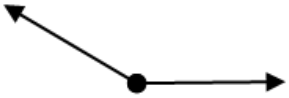


5)

a. 100°
b. 5°
c. 45°
d. 80°

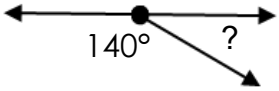
6)

a. 180°
b. 110°
c. 90°
d. 135°



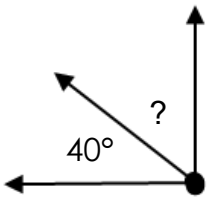
7)

a. 25°
b. 90°
c. 40°
d. 15°



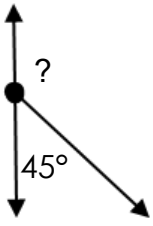
8)

a. 50°
b. 90°
c. 5°
d. 180°



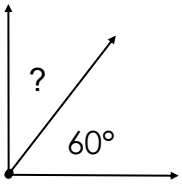
9)

a. 120°
b. 135°
c. 20°
d. 95°



10)

a. 25°
b. 120°
c. 65°
d. 30°



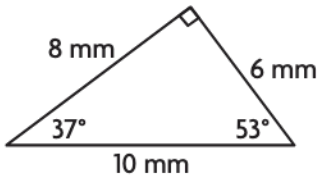
Name Wednesday

Classify Triangles

Go Online
Interactive Examples

Classify the triangle. Write *isosceles*, *scalene*, or *equilateral*. Then write *acute*, *obtuse*, or *right*.

1.

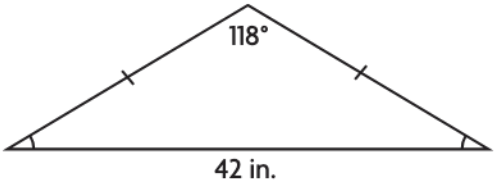


None of the side measures are equal. So, it is

_____. There is a right

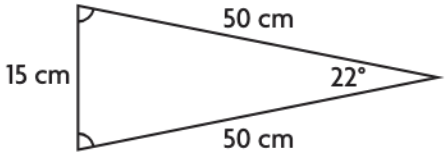
angle, so it is a _____ triangle.

2.



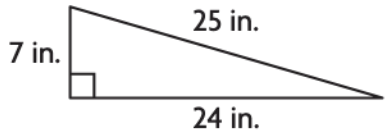
_____ _____

3.



_____ _____

4.



_____ _____

A triangle has sides with the lengths and angle measures given. Classify the triangle. Write *scalene*, *isosceles*, or *equilateral*. Then write *acute*, *obtuse*, or *right*.

5. **sides:** 44 mm, 28 mm, 24 mm
angles: 110°, 40°, 30°

_____ _____

6. **sides:** 23 mm, 20 mm, 13 mm
angles: 62°, 72°, 46°

_____ _____

Problem Solving Real World

7. Arielle says the pen for her horse is an acute right triangle. Is this possible? Explain.

_____

8. Hanan says every equilateral triangle is acute. Is this true? Explain.

_____

9. WRITE Math Draw three triangles: one equilateral, one isosceles, and one scalene. Label each and explain how you classified each triangle.

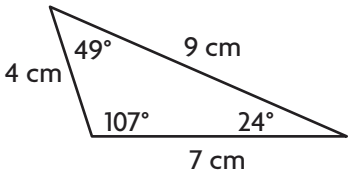
_____

Thursday

Lesson Check

10. If two of a triangle's angles measure 42° and 48°, how would you classify that triangle? Write *acute, obtuse,* or *right*.

11. What is the classification of the following triangle? Write *scalene, isosceles,* or *right*.



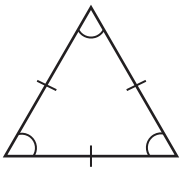
Spiral Review

12. How many tons are equal to 40,000 pounds?

13. Choose a symbol to make the following statement true. Write >, <, or =.

6 kilometers ◯ 600 centimeters

14. What polygon is shown?



15. List all the possible names for the polygon.