4th Math STAAR Practice
Week 4

Focus:
• Geometry

Directions:
• Complete each day’s work
• Show your work or justify your answer.
Week 4 Day 1
1. Which figure best represents a figure with exactly 1 pair of parallel lines?

A. Hexagon
B. Trapezoid
C. Square
D. Pentagon

2. Which diagram best represents a ray?

F. S
G. S
H. S
J. S

3. Look at figures 1 and 2 below.

Figure 1
Figure 2

Which statement is true?
A. Line C is a line of symmetry for figure 1 but not figure 2.
B. Line C is a line of symmetry for both figures.
C. Line C is a line of symmetry for figure 2 but not figure 1.
D. Line C is not a line of symmetry for figure 1 or figure 2.

1. Samuel drew the diagram below.

Which two lines appear to be perpendicular?
A. Lines Q and S
B. Lines P and Q
C. Lines P and R
D. Lines R and S

2. Natalia is drawing a figure on grid paper.

Left Side
Right Side

What should she draw on the right side to create a figure with a line of symmetry?
F.  
H.  
G.  
J.  

3. On the diagram below, which line or ray is parallel to line a?

A. Line b
B. Line f
C. Ray d
D. Ray e
Week 4 Day 2
1 Julia drew the diagram below.

Which line is NOT perpendicular to line y?
   A Line z   C Line x
   B Line w   D Line v

2 Shaming drew a figure. Exactly two pairs of sides were parallel. Which could NOT be the figure Shaming drew?

   F G H J

Which statement is true?
   F Line a is perpendicular to line b.
   G Line c is parallel to line e.
   H Line b is perpendicular to line e.
   J Line d is parallel to line a.

3 Look at figures E, F, G, and H below.

Which figures have more than 1 line of symmetry?
   A Figures F and G   C Figures G and H
   B Figures E and H   D Figures E and G

3 Elisa drew line E through 4 figures 1, 2, 3, and 4 as shown below.

Line E does NOT appear to be a line of symmetry for which figure?
   A 1   B 2   C 3   D 4
Week 4 Day 3
1 Ramiro formed a triangle with a ruler and two yardsticks as shown below.

What type of triangle did Ramiro form?
A Obtuse  C Right
B Acute  D Not here

2 Look at the diagram below.

If line segment BD is removed from the diagram, what kind of figure will remain?
F Rectangle  H Rhombus
G Trapezoid  J Parallelogram

3 Which shows an obtuse triangle?

A  B  C  D

4 A rectangle has how many pairs of parallel sides?
F 2  G 1  H 4  J 0

1 Eva drew 4 figures then wrote a number on each figure.

What is the sum of the numbers on the parallelograms?

2 Xavier drew and labeled 4 triangles on a grid as shown below.

Which triangle is a right triangle?
F 3  G 1  H 2  J 4

3 Which diagram shows a parallelogram drawn inside a trapezoid?

A  B  C  D

4 The angles of an acute triangle are always less than -
F 60°  G 45°  H 3°  J 90°
Week 4 Day 4
1. Brian drew the diagram below.

If Brian draws a straight line from point A to point D, what kind of figure will he make?
A. Triangle  C. Parallelogram
B. Rectangle  D. Trapezoid

2. Diya drew the design shown below.

The design appears to be composed of which type of triangle?
F. Right  H. Acute
G. Obtuse  J. Not here

3. Look at figures X, Y, and Z shown below.

Which statement appears to be true?
A. None of the figures are trapezoids.
B. All of the figures are trapezoids.
C. Figure Y is a trapezoid; figures X and Z are non-specific quadrilaterals.
D. Figures X and Y are trapezoids; figure Z is a non-specific quadrilateral.

1. Look at triangles 1 through 6 shown in the rectangles below.

Which triangles are obtuse triangles?
A. 1 and 5  C. 3 and 5
B. 3 and 4  D. 2 and 6

2. Which figure, cut along the dashed line, produces one trapezoid and one parallelogram?

3. Which shows an acute triangle?
Week 4 Day 5
1. Angles $x$ and $y$ equal 180° combined. If angle $y$ measures 60°, what is the measure of angle $x$?
   - A 100°
   - B 240°
   - C 160°
   - D 120°

2. Angles $p$ and $q$ equal 165° combined. If angle $p$ measures 25°, what is the measure of angle $q$?
   - F 190°
   - G 145°
   - H 140°
   - J 125°

3. In each answer choice, angle $r$ is a right angle. In which answer choice is angle $s$ equal to 30°?
   - A
   - B
   - C
   - D

4. Kelly was asked by her teacher to draw an angle that measured 130 degrees. Which diagram shows angle $k$ equal to 130 degrees?
   - F
   - H

5. In each answer choice, angle $t$ is equal to 95°. In which answer choice is angle $u$ equal to 55°?
   - A
   - C
   - D

6. Dominic used a protractor to measure angle $d$ of a parallelogram. What is the measure of angle $d$?
   - F 115°
   - G 65°
   - H 125°
   - J 75°