

## Reflection Sheet

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Week #: \_\_\_\_\_

Assignments	Grade	Comments
Parent Signature		Please sign weekly

Date	Class work	Homework (must write in planner as well)
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		



**\*\*\*\*Students must complete their homework daily, 100%; the consequence = silent lunch daily\*\*\*\***

Parent Signature: \_\_\_\_\_

Essential Questions	Answers
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Week: \_\_\_\_\_

**"Warm-up's Q1W7"**

<p><b>8.EE.1</b> <b>Monday Warm-up</b> What is the value of this expression written as a fraction?  <math>(5^{-2})(25^{-4})(5^5)</math></p>	<p>Show all your work</p>
<p><b>Tuesday Warm-up</b> <b>(8.EE.3)</b> The tree is 5.4 meters tall. The tower is <math>1.2 \times 10^3</math> meters tall. About how much taller is the tree than the tower?</p>	<p>Show all work here</p>
<p><b>Wednesday Warm-up</b> <b>(8.EE.2)</b> A newly wed couple needs to buy materials to put up wall paper on one of the walls in house. The area of the square is <math>3,600 \text{ ft}^2</math>. How long should the tape be to go around the perimeter of the wall?</p>	<p>Show all work here</p>
<p><b>Thursday Warm-up</b> The following rectangle and square plate have the same perimeter. What is the value of x?</p> <p><math>x-2</math>  <math>3x+2</math>      <math>2x</math> </p>	

# Math Skills Study Guide

## Scientific Notation

Write each number in standard form.

1.  $3.1 \times 10^2$
2.  $2.3 \times 10^3$
3.  $9.86 \times 10^2$
4.  $3.25 \times 10^4$
5.  $6.10 \times 10^5$
6.  $7.87 \times 10^4$
7.  $2.2 \times 10^2$
8.  $4.27 \times 10^3$
9.  $1.06 \times 10^7$
10.  $2.11 \times 10^5$
11.  $4.82 \times 10^4$
12.  $5.55 \times 10^{10}$

Write each number in scientific notation.

13. 230
14. 300
15. 720
16. 2,790
17. 5,000
18. 8,800
19. 37,000
20. 26,300
21. 52,100
22. 120,000
23. 361,000
24. 989,000
25. 5,000,000
26. 82,100,000
27. 51,000,000

Replace each  $\bullet$  with  $<$ ,  $>$ , or  $=$  to make a true sentence.

28.  $3,000 \bullet 3.0 \times 10^3$
29.  $520 \bullet 5.2 \times 10^1$
30.  $8,800 \bullet 8.8 \times 10^4$
31.  $659,000 \bullet 6.59 \times 10^5$

# Math Skills Study Guide

## The Coordinate Plane

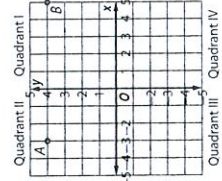
The x-axis (horizontal) and y-axis (vertical) separate the coordinate plane into four regions called quadrants.

**EXAMPLE 1** Identify the ordered pair that names point A.

**Step 1** From point A, trace down to the x-axis to find the x-coordinate of point A, which is -3.

**Step 2** From point A, trace over to the y-axis to find the y-coordinate, which is 4.

Point A is named by  $(-3, 4)$ .



**EXAMPLE 2** Graph point B at  $(5, 4)$ .

Locate 5 on the x-axis.

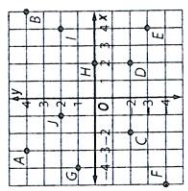
Locate 4 on the y-axis.

Draw a dot that lines up with both.

### EXERCISES

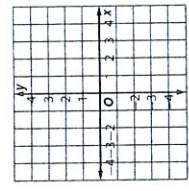
Use the coordinate plane at the right. Write the ordered pair that names each point.

1. C
2. D
3. E
4. F
5. G
6. H
7. I
8. J



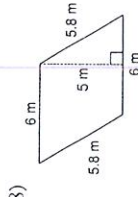
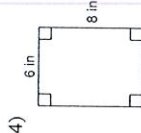
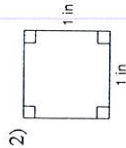
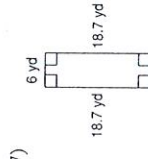
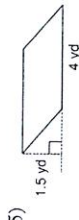
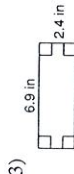
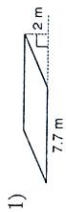
Graph and label each point using the coordinate plane at the right.

9.  $A(-5, 5)$
10.  $M(2, 4)$
11.  $G(0, -5)$
12.  $D(3, 0)$
13.  $N(-4, -3)$
14.  $J(2, -3)$



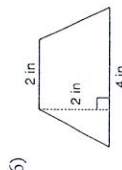
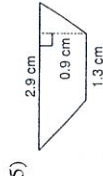
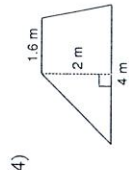
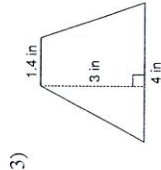
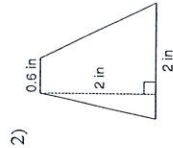
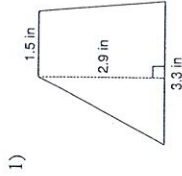
Area of Squares, Rectangles, and Parallelograms

Find the area of each.



Area of Trapezoids

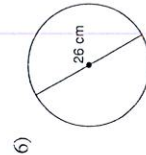
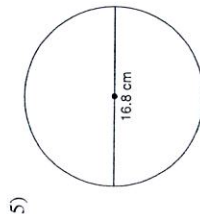
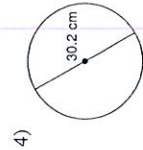
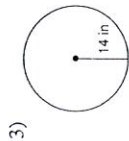
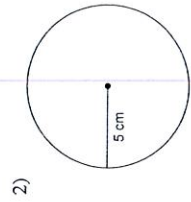
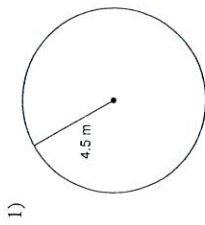
Find the area of each.





**Circles**

Find the circumference of each circle. Round to the nearest tenth.

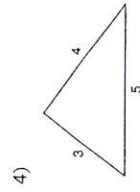
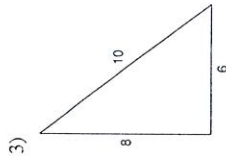
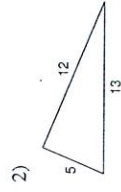
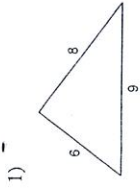


7) radius = 12 yd

8) radius = 5.5 mi

**The Pythagorean Theorem**

Do the following lengths form a right triangle?



5)  $a = 6.4, b = 12, c = 12.2$

6)  $a = 2.1, b = 7.2, c = 7.5$

Find each missing length to the nearest tenth.

