

A.

# Simplifying expressions

Complete this center if you missed #3 or #4 on the test.

Simplify each expression.

1.  $-3 - 7(-3 - 6v)$

2.  $5(-3p + 7) + 5(p - 1)$

3.  $7(5n - 8) + 6(4 + 6n)$

4.  $-5(a - 6) + 2a$

HINT: Distribute, then combine like terms.

Be careful when distributing a negative number.

B.

# Two-Step Equations

Complete this center if you missed #5 or #6 on the test.

Solve each equation.

1.  $-15 = -4m + 5$

2.  $8n + 7 = 31$

3.  $10 - 6v = -104$



HINT: Use inverse operations to isolate the variable.  
Check your answer.

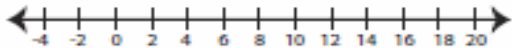
C.

# Two-Step Inequalities

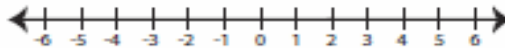
Complete this center if you missed #7, #8, or #16 on the test.

Solve each inequality and then graph.

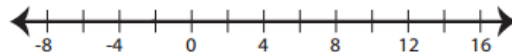
1)  $\frac{x}{2} + 3 > 9$



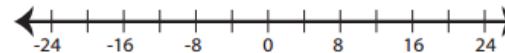
2)  $4x + 5 \leq 13$



3)  $-4x - 7 > 1$



4)  $8 \leq -2x + 16$



HINT: Remember to flip the inequality when you multiply or divide by a negative number.

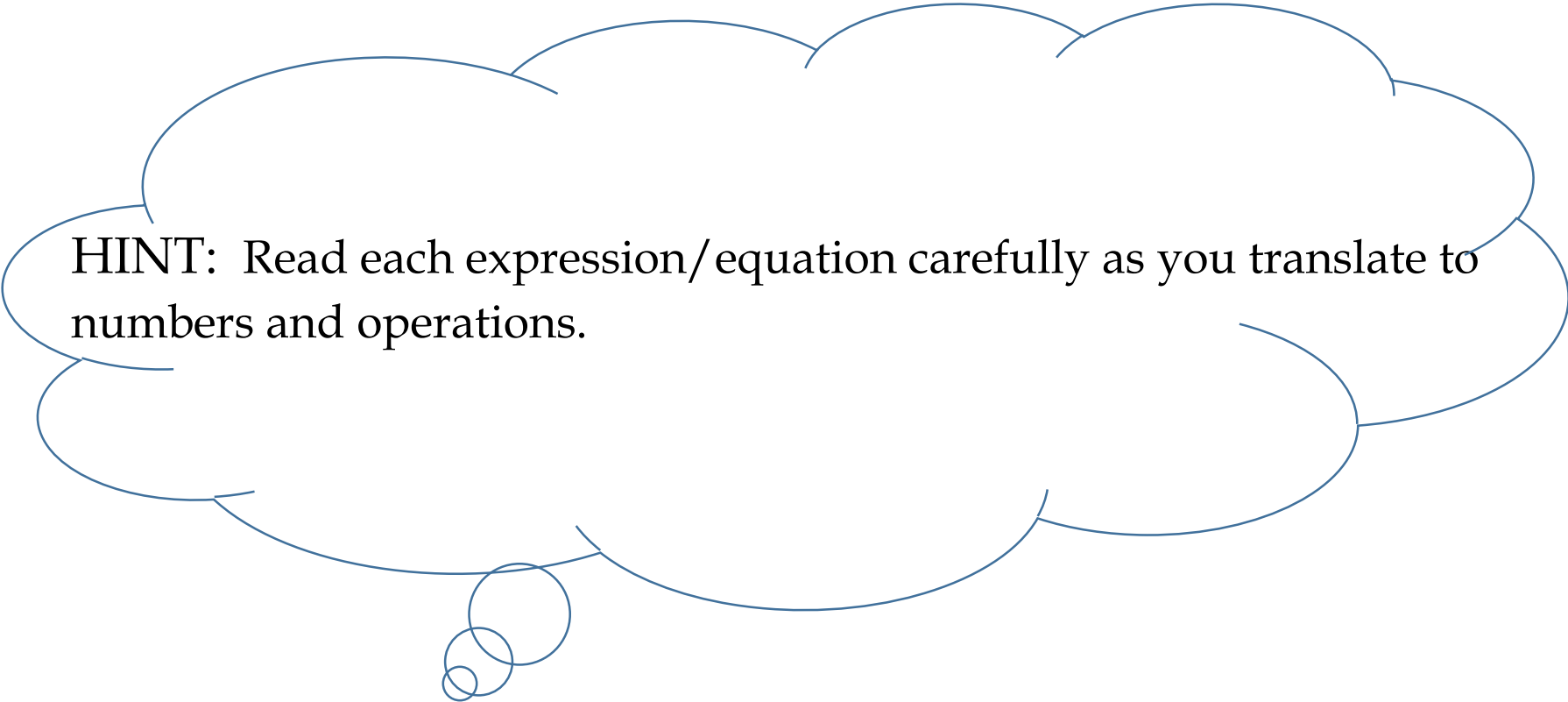
D.

Translate

Complete this center if you missed #12 or #13 on the test.

Translate each expression.

1. 3 times the sum of 5 and  $p$
2. The sum of four and twice a number is 52. What is the number?



HINT: Read each expression/equation carefully as you translate to numbers and operations.

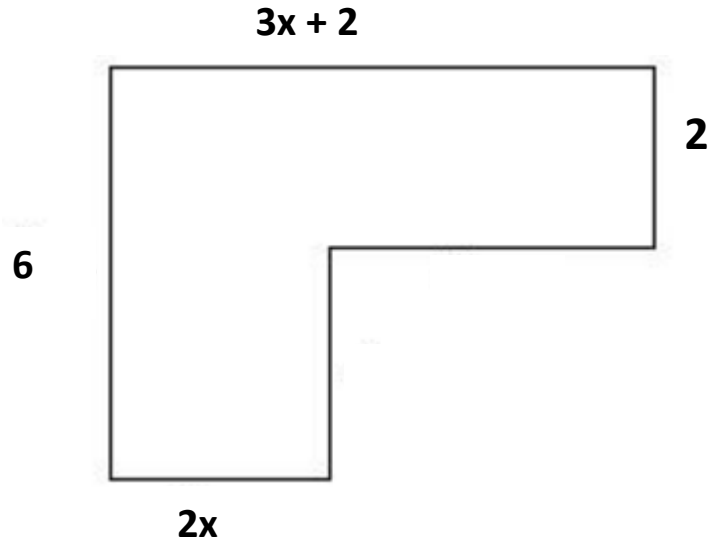


E.

# Perimeter and Area

Complete this center if you missed #10 or #11 on the test.

Write a simplified expression for the area and perimeter of the figure.



Area: \_\_\_\_\_

Perimeter: \_\_\_\_\_

HINT: Find the missing parts before calculating the area and perimeter.

# F. Word Problems

Complete this center if you missed #14, 15, 17, 19 or 20 on the  
test.

Write and solve an equation/inequality for each problem.

1. Oceanside Bike Rental Shop charges 18 dollars plus 7 dollars an hour for renting a bike. Sandy paid 74 dollars to rent a bike. How many hours did she pay to have the bike checked out?

2. On Monday, 352 students went on a trip to the zoo. All 7 buses were filled and 9 students had to travel in cars. How many students were in each bus ?

Tamara has a cell phone plan that charges \$0.07 per minute plus a monthly fee of \$19.00. She budgets \$29.50 per month for total cell phone expenses without taxes. What is the maximum number of minutes Tamara could use her phone each month in order to stay within her budget?

- 3.

