

Name : _____

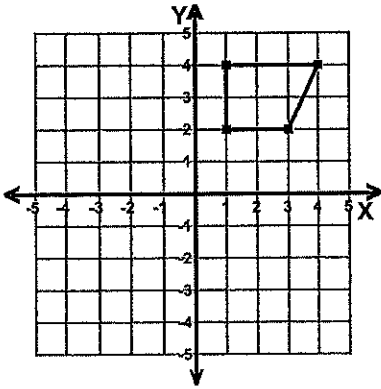
Score : _____

Teacher : _____

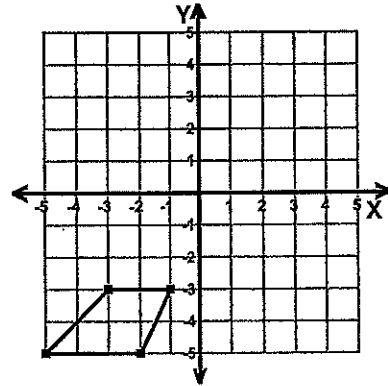
Date : _____

Translations

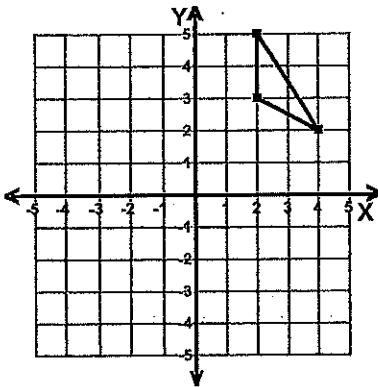
1) Translation: 2 left and 3 down



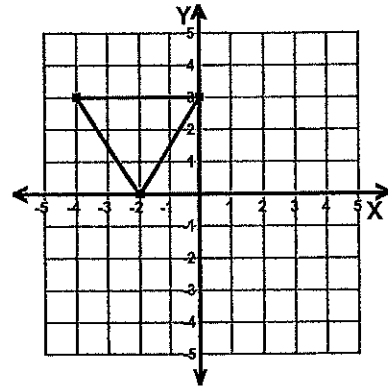
2) Translation: 2 right



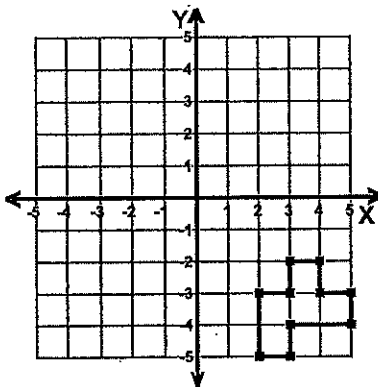
3) Translation: 3 left and 5 down



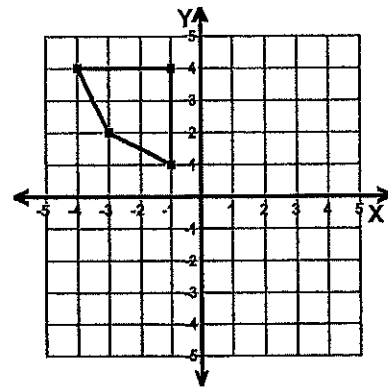
4) Translation: 4 right and 2 down



5) Translation: 5 left and 4 up



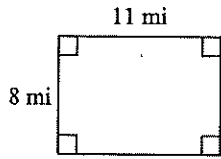
6) Translation: 2 down



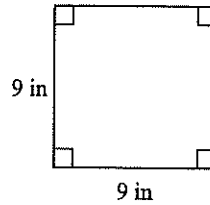
Area of Rectangles & Triangles

Find the area of each. Show the 3 steps for each: formula used, how the numbers are plugged in, and the answer. Give correct units with your answer.

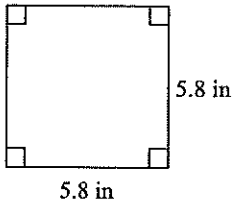
1)



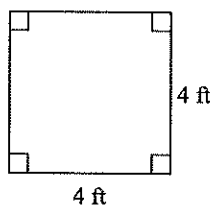
2)



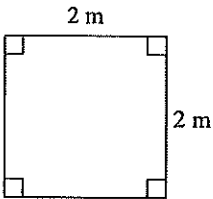
3)



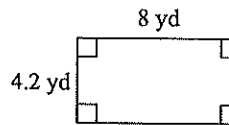
4)



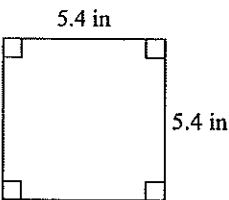
5)



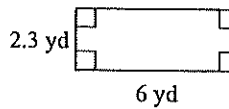
6)



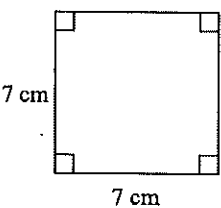
7)



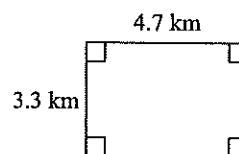
8)



9)



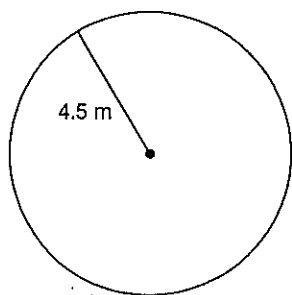
10)



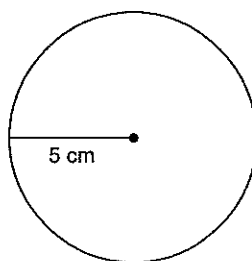
Circles

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

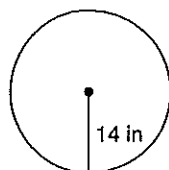
1)



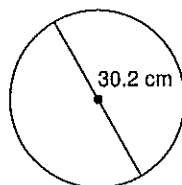
2)



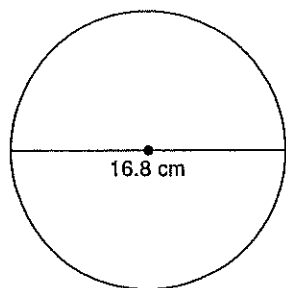
3)



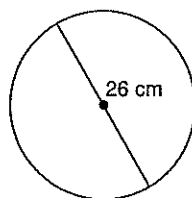
4)



5)



6)



7) radius = 12 yd

8) radius = 5.5 mi

Name: _____

Score: _____

Equivalent Fractions

Sheet 1

A) Choose the correct equivalent fraction in each problem.

1) $\frac{2}{16} = ?$

- a) $\frac{1}{4}$ b) $\frac{1}{8}$ c) $\frac{4}{20}$ d) $\frac{3}{18}$

2) $\frac{1}{3} = ?$

- a) $\frac{3}{15}$ b) $\frac{2}{14}$ c) $\frac{8}{24}$ d) $\frac{5}{10}$

3) $\frac{25}{10} = ?$

- a) $\frac{5}{2}$ b) $\frac{10}{16}$ c) $\frac{1}{5}$ d) $\frac{30}{20}$

4) $\frac{4}{12} = ?$

- a) $\frac{14}{6}$ b) $\frac{3}{18}$ c) $\frac{1}{2}$ d) $\frac{6}{18}$

5) $\frac{36}{45} = ?$

- a) $\frac{9}{5}$ b) $\frac{4}{5}$ c) $\frac{15}{25}$ d) $\frac{2}{18}$

6) $\frac{3}{18} = ?$

- a) $\frac{5}{30}$ b) $\frac{1}{9}$ c) $\frac{4}{16}$ d) $\frac{1}{2}$

B) Write any 3 equivalent fractions.

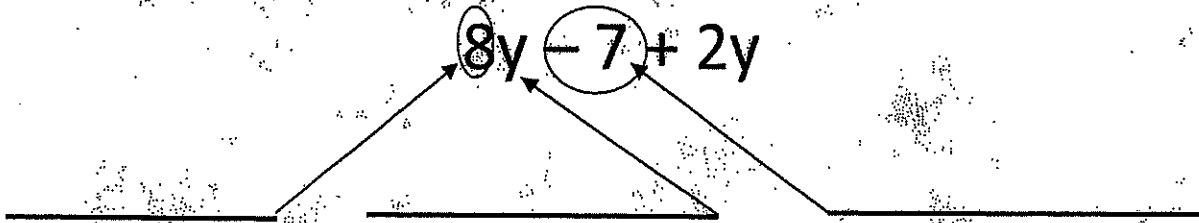
1) $\frac{7}{4} =$ _____

2) $\frac{1}{6} =$ _____

- **EXPRESSION:** a group of terms. Contains numbers, _____, and variables.
DOES NOT contain an _____.

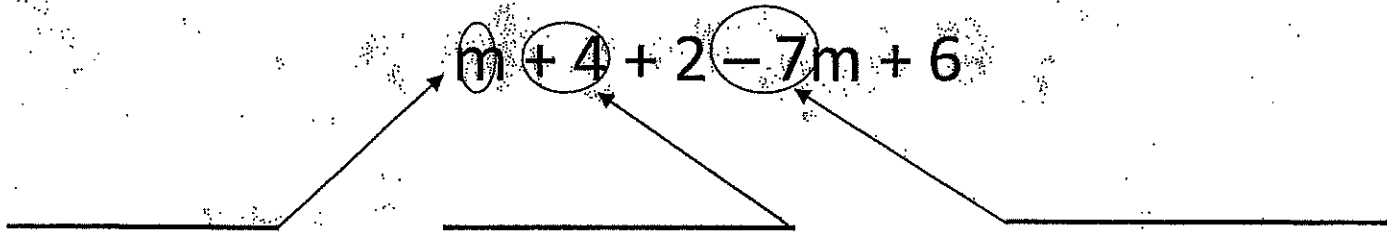
Label the parts of the expression: *Coefficient, Constant, Variable*

1.



How many TERMS are present in this expression? _____ List them: _____

2.



How many TERMS are present in this expression? _____ List them: _____

Identify the terms, variables, coefficients, and constants in each expression.

3. $-4a - 7b + 5 + c$

Terms:

Variables:

Coefficients:

Constants:

4. $7 - 5h - 2 - k$

Terms:

Variables:

Coefficients:

Constants:

5. $5 - 4x - 8y$

Terms:

Variables:

Coefficients:

Constants:

6. $9k + 7 - k + 4$

Terms:

Variables:

Coefficients:

Constants:

Dividing Integers

Find each quotient.

1) $35 \div -5$

2) $-8 \div 4$

3) $-24 \div 4$

4) $-8 \div -2$

5) $8 \div 4$

6) $-24 \div 8$

7) $-21 \div 7$

8) $6 \div -6$

9) $-132 \div -11$

10) $-60 \div -15$

11) $-52 \div -4$

12) $60 \div 12$

One-Step Equations

Solve each equation.

1) $26 = 8 + v$

2) $3 + p = 8$

3) $15 + b = 23$

4) $-15 + n = -9$

5) $m + 4 = -12$

6) $x - 7 = 13$

7) $m - 9 = -13$

8) $p - 6 = -5$

9) $v - 15 = -27$

10) $n + 16 = 9$

11) $-104 = 8x$

12) $14b = -56$

13) $-6 = \frac{b}{18}$

14) $10n = 40$

Algebra Practice Problems

Name: _____

Date: _____

Worksheet generated at www.math.com

1.) $x + 3 = 12$

2.) $x / 4 = -5$

3.) $-1 + x = 11$

4.) $x / 4 = 5$

5.) $x / 6 = 4$

6.) $x - 10 = -7$

7.) $x + 9 = 15$

8.) $x - 1 = 0$

9.) $x / -2 = -4$

10.) $2 + x = 11$

11.) $4x + 9 = 17$

12.) $4x + 3 = 3$

13.) $3x + 9 = 9$

14.) $7x + 5 = 5$

15.) $6x + 10 = 52$

16.) $6x - 6 = 0$

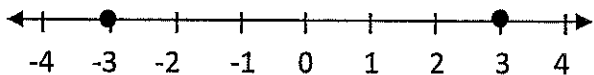
$$-5 + \boxed{} = 0$$

- What rational number fits the box to make the number sentence true?
 - $\frac{1}{5}$
 - 0
 - 5
 - 5
- At 6:00 am, the thermometer read -4°F . By noon, the temperature had risen 20 degrees. When a storm passed through shortly after noon, the temperature fell 8 degrees. After the storm, the temperature quickly rose 15° .

What was the temperature then?

- 16°
- 23°
- 31°
- 47°

Use this number line to answer question 3.



- Which best describes the distance between -3 and 3?
 - their sum
 - their difference
 - the absolute value of their sum
 - the absolute value of their difference

$$16 - 9 = \boxed{}$$

- Which could be placed in the box to make the number sentence true?
 - $-9 - 16$
 - $16 - (-9)$
 - $-16 + 9$
 - $16 + (-9)$

As part of his job at the market, Henry must take the temperature inside the freezer three times daily. He uses this chart to record his data. Use the chart to answer question 5.

Freezer Temperature

8:00 am	1:00 pm	5:00 pm
-11°F	-3°F	23°F

- Based on the chart, what was the difference between the temperature at 8:00 am and the temperature at 5:00 pm?
 - 12°
 - 23°
 - 34°
 - 37°

$$-10 + (-10) - (-10) - (10) = \boxed{}$$

To find the answer to the problem shown above, Rochelle used the following steps:

Step 1: $-10 + (-10) = -10 - 10 = 0$

Step 2: $0 - (-10) = 0 + 10 = 10$

Step 3: $10 - (10) = 10 - 10 = 0$

- Is Rochelle's final answer correct?
 - Yes, her computations are correct.
 - No, she made an error in step 1.
 - No, she made an error in step 2.
 - No, she made an error in step 3.

$$(-6)(-12)$$

14. Which has the same product as the expression shown in the box?

- A. $(-3)(-4)(-6)$
- B. $(3)(-24)$
- C. $(-2)(36)$
- D. $(12)(6)$

$$-6 + \left(-\frac{6}{5} \times -10\right) = \boxed{}$$

15. What makes the number sentence true?

- A. -21
- B. $-17\frac{1}{5}$
- C. 6
- D. 18

16. If n is a negative integer, which of these is the largest number?

- A. $3 + n$
- B. $3 \times n$
- C. $3 - n$
- D. $3 \div n$

17. What can Shondra do to find the decimal value of $\frac{2}{5}$?

- A. multiply $2 \times \frac{1}{5}$
- B. multiply 2×0.5
- C. divide 2 by 5
- D. divide 2 by 0.5

Use the information in the box below to answer questions 18 and 19.

$$\begin{array}{r} -.125 \\ -8 \overline{) 1.000} \end{array}$$

18. The calculation above shows the decimal equivalent of what rational number?

- A. $-\frac{1}{8}$
- B. $\frac{1}{25}$
- C. $\frac{1}{8}$
- D. $-\frac{8}{10}$

19. Based on the information in the box, what could you perform to find the decimal equivalent of $\frac{3}{8}$?

- A. $8 \div 3$
- B. $.125 \times 3$
- C. $1 \div 3$
- D. $8 \times \frac{1}{3}$

20. The cafeteria staff at Hubbard Middle School served 125 sixth graders on the first day of school. Out of the 125 students, 102 of them chose to drink chocolate milk. What decimal represents the fraction of students who did NOT choose to drink chocolate milk?

- A. 0.125
- B. 0.184
- C. 0.816
- D. 1.02