

Sample Documents

Pre-algebra
(PRE)

EDUCAIDE SOFTWARE

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Part A. Simplify.

1.
$$\begin{array}{r} 308 \\ - 29 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 3008 \\ - 499 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 34 \\ \times 21 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 2,174 \\ \times 51 \\ \hline \end{array}$$

5. $(-73) + (-91) + (-94)$

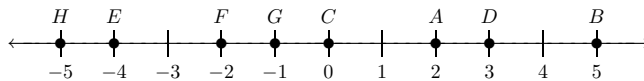
6. $(-8) + 17 + (-12)$

7. $(-\frac{7}{12}) \div (-\frac{8}{2})$

8. $(-\frac{12}{11}) \div (\frac{12}{5})$

Part B. (No explicit directions.)

- Vicki knows there are 572 cases of juice in the warehouse. Each case contains 24 cans of juice. Each can is 8 ounces. Estimate the total amount of juice in the warehouse.
- Last week, Dayna's car got 33 miles per gallon. This week, she drove 217 miles, and used 8 gallons of gasoline. Did her car get about the same mileage this week?

Part C. Refer to the number line to answer the questions.

- What number corresponds to point E ?
- Find the distance between E and D .

Part D. Write the standard form of each number.

- thirty-two thousand five hundred seventy
- two hundred sixty-three and nine hundredths

Answer List

A-1. 279	A-2. 2509	A-3. 714
A-4. 110,874	A-5. -258	A-6. -3
A-7. $\frac{7}{32}$	A-8. $-\frac{5}{11}$	B-1. 109,824 oz
B-2. no (≈ 27.1)	C-1. -4	C-2. 7
D-1. 32,570	D-2. 263.09	

Catalog List

A-1. PRE AB 207	A-2. PRE AB 247	A-3. PRE AC 131
A-4. PRE AC 169	A-5. PRE DI 48	A-6. PRE DI 105
A-7. PRE DL 151	A-8. PRE DL 200	B-1. PRE EF 9
B-2. PRE EF 18	C-1. PRE DA 5	C-2. PRE DA 20
D-1. PRE CA 16	D-2. PRE CA 52	

Equations Unit

Homework D

Name _____

Date _____

Solve.

1) $51 + y = 34$

2) $x \div (-10) = 3$

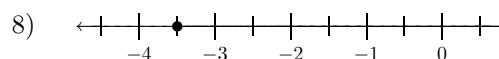
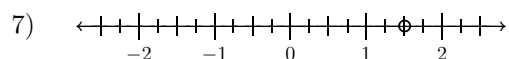
3) $-x^2 = -\frac{36}{100}$

4) $7 = 5n - (-27)$

5) $n + 7 > -5$

6) $a \div \frac{3}{5} < -27$

Write the equation of the graph.



Show all work for full credit.

9) The sum of 2 numbers is 34. One number is 10 more than the other number. Find the two numbers.

10) Paul has twice as many dimes as quarters. He has a total of \$1.35. How many dimes and quarters does Paul have?

11) Carmen is buying a new car, and wishes to spend no more than $\frac{2}{5}$ of his yearly salary on the car. The car he wants costs \$11,500. What is the minimum yearly salary he must make in order to buy this car?

Answer List

- | | | |
|-------------------------|--------------------------|-------------------|
| 1. -17 | 2. -30 | 3. $\frac{6}{10}$ |
| 4. -4 | 5. $n > -12$ | 6. $a < -45$ |
| 7. $x \neq 1.5$ | 8. $x \geq -\frac{7}{2}$ | 9. 12, 22 |
| 10. 6-dimes, 3-quarters | 11. \$28,750 | |
-

Catalog List

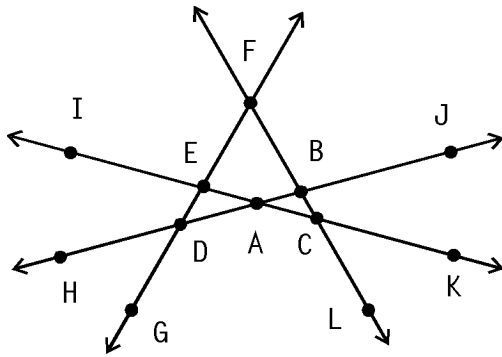
- | | | |
|---------------|---------------|---------------|
| 1. PRE LB 60 | 2. PRE LC 120 | 3. PRE LD 44 |
| 4. PRE LE 176 | 5. PRE LH 115 | 6. PRE LI 102 |
| 7. PRE LG 7 | 8. PRE LG 28 | 9. PRE LK 22 |
| 10. PRE LK 58 | 11. PRE LK 92 | |

Math 8
Introduction to Geometry

Name _____

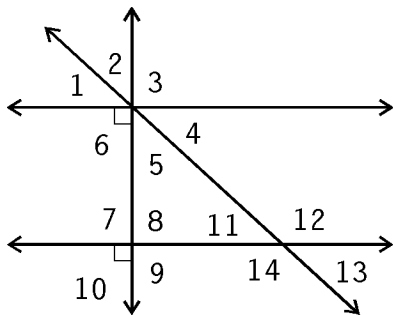
Date _____

Refer to the diagram to answer the questions.



1. Point A is between which 2 points? 1. _____
2. Name the vertex of $\angle IED$. 2. _____
3. Name $\angle BCA$ in another way. 3. _____

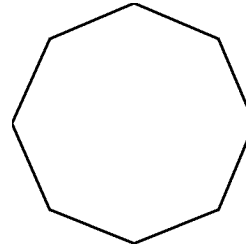
Refer to the diagram to answer the questions.



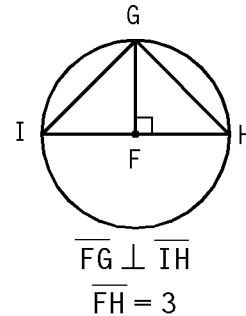
4. Name all pairs of parallel lines. 4. _____
5. Name two pairs of alternate exterior angles. 5. _____
6. Name two right angles which are not adjacent or vertical. 6. _____

Classify the polygons.

7. 7. _____



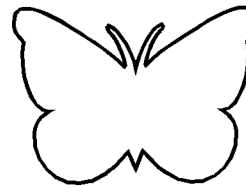
8. In circle F , find the length of \overline{FG} . 8. _____



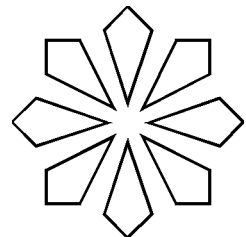
9. Find the area of $\triangle GIH$. 9. _____
10. Find the perimeter of $\triangle GIH$. 10. _____

State the types of symmetry in each figure.

11. 11. _____



12. 12. _____



Answer List

- | | | |
|-------------------------------|----------|----------------------------------------------|
| 1. D and B or E and C | 2. E | 3. $\angle FCI$ |
| 4. ℓ, m | 5. | 6. |
| 7. octagon | 8. 3 | 9. 9 |
| 10. about 14.5 | 11. line | 12. line, reflectional, point,
rotational |
-

Catalog List

- | | | |
|---------------|---------------|---------------|
| 1. PRE NA 2 | 2. PRE NA 45 | 3. PRE NA 52 |
| 4. PRE NE 14 | 5. PRE NE 20 | 6. PRE NE 21 |
| 7. PRE NI 11 | 8. PRE NJ 39 | 9. PRE NJ 47 |
| 10. PRE NJ 50 | 11. PRE NL 19 | 12. PRE NL 12 |