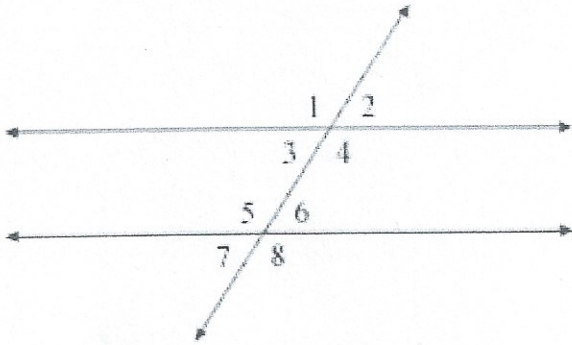| Understanding Angles	Name:

A. Color the vertical angles. Each set should be a different color. (You will need four colors)

B. Color the alternate exterior angles. Color each set a different color. (You will need two colors)
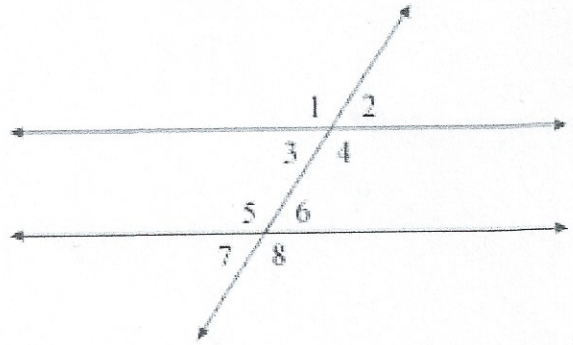
C. Color the alternate interior angles. Color each set a different color. (You will need two colors)

D. Color the corresponding angles. Each set should be a different color. (You will need four colors)
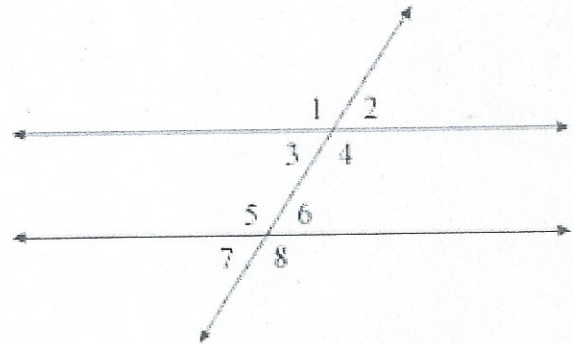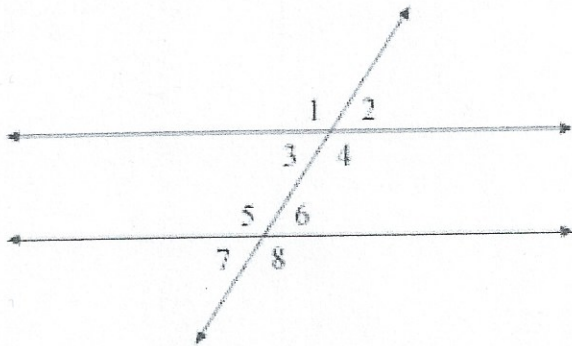
E. Color the pairs of supplementary angles. Each set should be a different color. (You will need 8 colors.)

E. Color the pairs of complementary angles. Each set should be a different color. (You will need two colors.)
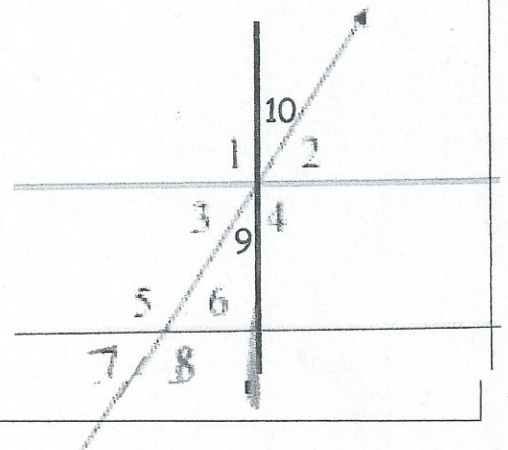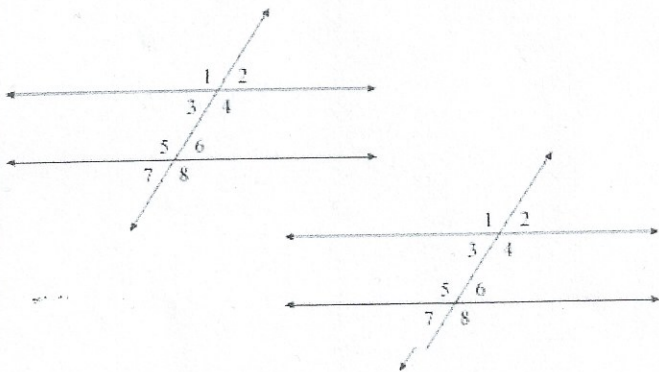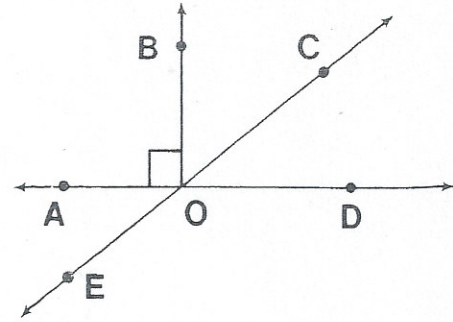
Why is a Leaky Faucet Like a Race Horse?

TO ANSWER THE IMPORTANT QUESTION ABOVE:

Complete any statement below with one of the answers given at the bottom of the page. Then write the letter of the statement above its correct answer.

KEEP WORKING AND YOU WILL DISCOVER THE ANSWER.

(A) The figure formed by two rays with the same endpoint is an _____ .

(I) The basic unit by which angles are measured is the _____ .

(N) The intersection of the two sides of an angle is called the angle's _____ .

(O) The small box at the vertex of ∠AOB indicates that ∠AOB measures _____ .

(U) An angle with a measure of 90° is called a _____ angle.

(S) Point C is in the _____ of ∠BOD.

(N) An angle whose measure is between 90° and 180° is an _____ angle.

(G) Two angles whose measures have a sum of 90° are _____ angles.

(T) ∠BOC and ∠BOA are _____ angles.

(N) Two angles whose measures have a sum of 180° are _____ angles.

(D) An angle whose measure is between 0° and 90° is an _____ angle.

(F) ∠AOE and _____ are supplementary angles.

(I) ∠COD and _____ are complementary angles.

(N) Two angles having the same measure are said to be _____ .

(F) ∠COD and ∠AOE are congruent because they are _____ angles.

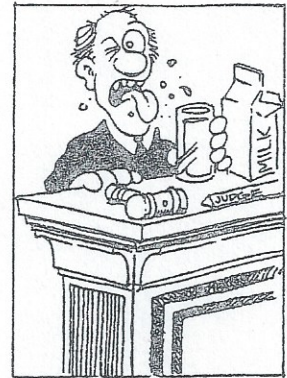(R) The two rays that form an angle are called the _____ of the angle.

DEGREE	ADJACENT	INTERIOR	90°	∠EOD	VERTICAL	ANGLE	OBTUSE	ACUTE	SIDES	RIGHT	CONGRUENT	SUPPLEMENTARY	∠BOC	VERTEX	COMPLEMENTARY

# How Did the Judge Find Out About the Rotten Milk?

Tues

Do each exercise and find your answer in the Code Key. Notice the letter next to the answer. Write this letter in the box containing the number for the exercise.

I. Complete each statement.

① Two angles are *complementary* if the sum of their measures is _____.

② Two angles are *supplementary* if the sum of their measures is _____.

③ The *complement* of a 30° angle has a measure of _____.

④ The *supplement* of a 65° angle has a measure of _____.

II. Find the measure of each numbered angle.

128° 5

6 73°

80° 7 9 8

10 65° 11 12

13 144° 14 15

16 38°

67° 17 18

30° 19 24°

20 21 120° 22
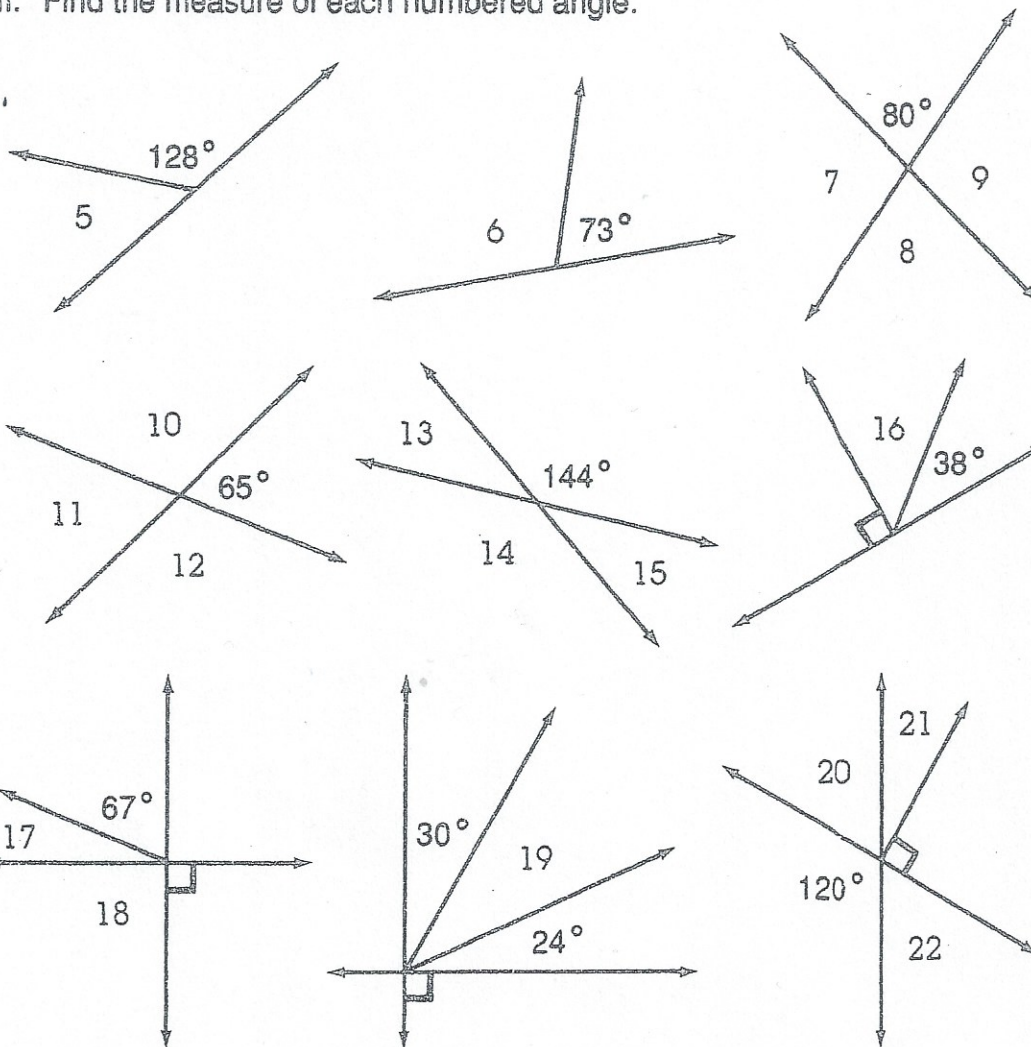
CODE KEY	
23°	D
30°	Q
36°	T
52°	A
60°	R
65°	U
80°	I
90°	O
100°	H
107°	S
115°	E
144°	W
180°	N

13	7	12	3	10	14	16	6	18	17	1	20	8	2	19	9	4	21	11	5	22	15

Why Is a Party Like Pouring Oil Into a Car?

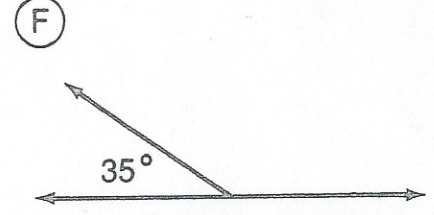I. Find the measure of the angle that is complementary to the angle having the measure given.

(E) 20°　　(H) 67°　　(S) 14°　　(E) 81°　　(T) 45°

II. Find the measure of the angle that is supplementary to the angle having the measure given.

(R) 120°　　(E) 56°　　(I) 29°　　(U) 162°　　(H) 83°

III. Find the angle measure that is not given.

(N) 60°　　(E) 28°　　(T) 47°

(L) 72°　　(W) 116°　　(F) 35°

(E) 34°　　(B) 67°　　(N) 73°
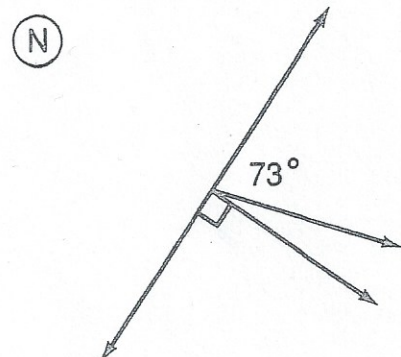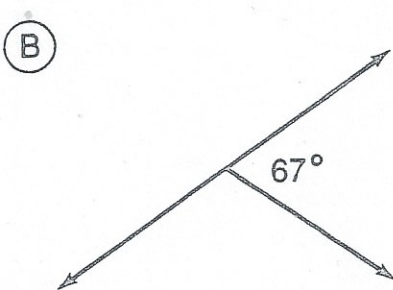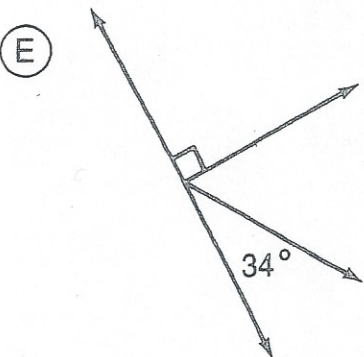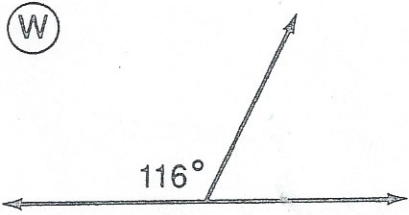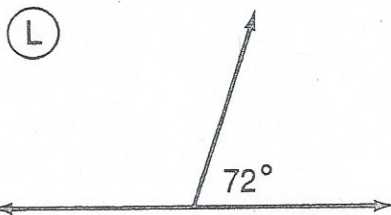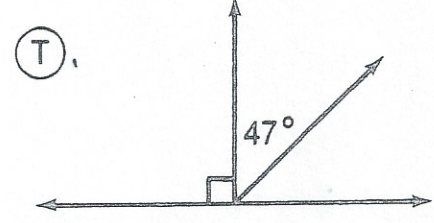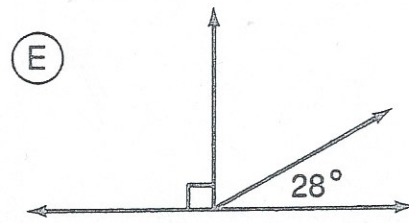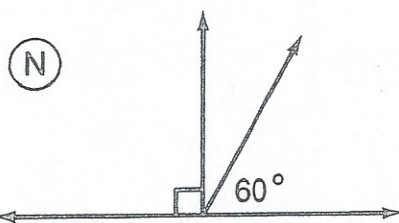
151°	76°	64°	56°	62°	45°	124°	145°	17°	70°	133°	9°

43°	125°	97°	60°	36°	23°	37°	18°	30°	108°	113°

MIDDLE SCHOOL MATH WITH PIZZAZZ! BOOK D
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