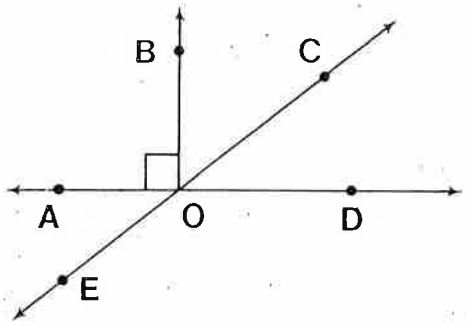
key

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 angle.

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

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

(O) The small box at the vertex of ∠AOB indicates that ∠AOB measures 90°.

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

(S) Point C is in the interior of ∠BOD.

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

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

(T) ∠BOC and ∠BOA are adjacent angles.

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

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

(F) ∠AOE and ∠EOD are supplementary angles.

(I) ∠COD and ∠BOC are complementary angles.

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

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

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

I	T	S	O	F	F	A	N	D	R	U	N	N	I	N	G
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?

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 90°.

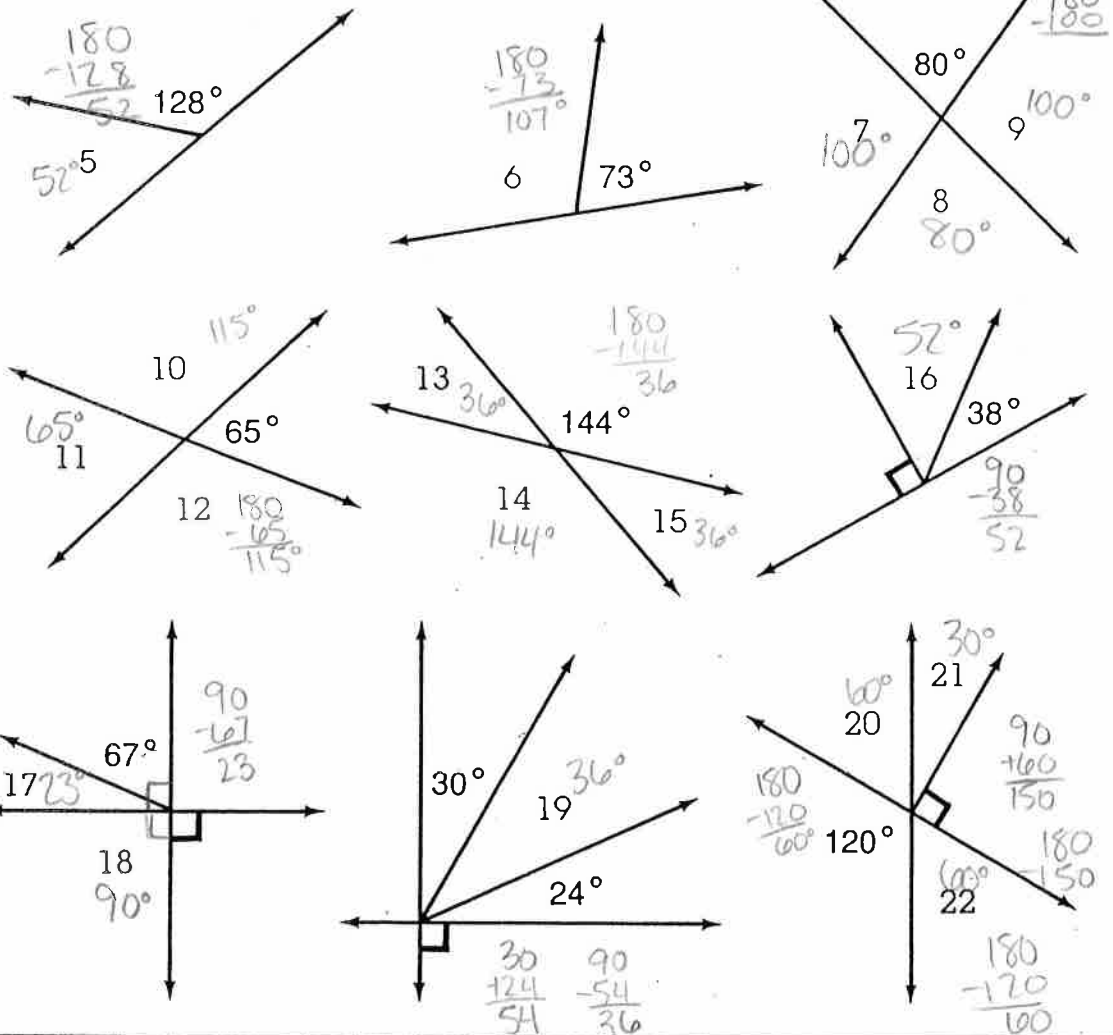
(2) Two angles are *supplementary* if the sum of their measures is 180°.

(3) The *complement* of a 30° angle has a measure of 60°.

(4) The *supplement* of a 65° angle has a measure of 115°.

180 − 65

II. Find the measure of each numbered angle. You MUST show work.



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
T	H	E	R	E	W	A	S	O	D	O	R	I	N	T	H	E	Q	U	A	R	T