

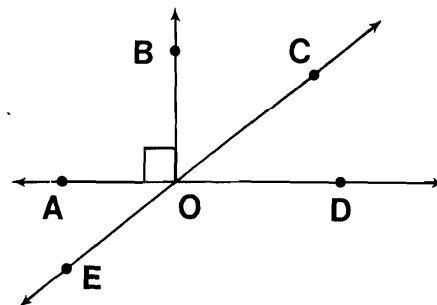
Some Extra Euclidian Fun

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.



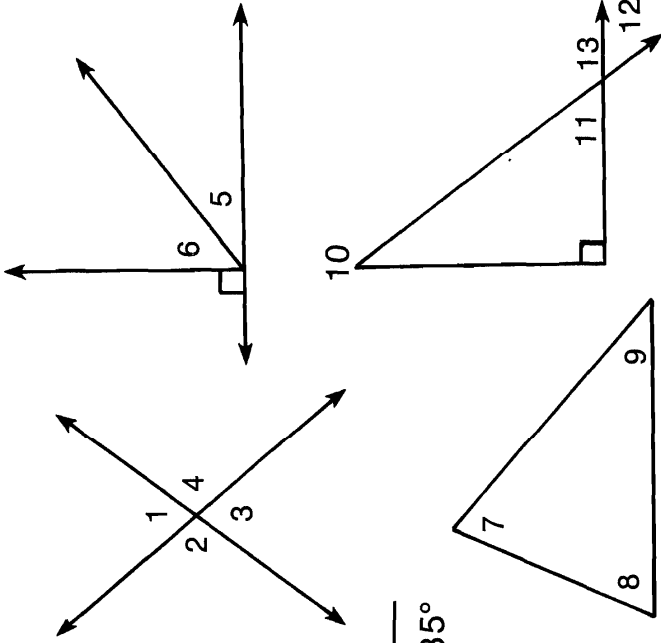
- (A) The figure formed by two rays with the same endpoint is an _____.
- (I) The basic unit by which angles are measured is the _____.
- (N) The intersection of the two sides of an angle is called the angle's _____.
- (O) The small box at the vertex of $\angle AOB$ indicates that $\angle AOB$ measures _____.
- (U) An angle with a measure of 90° is called a _____ angle.
- (S) Point C is in the _____ of $\angle BOD$.
- (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) $\angle BOC$ and $\angle BOA$ 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) $\angle AOE$ and _____ are supplementary angles.
- (I) $\angle COD$ and _____ are complementary angles.
- (N) Two angles having the same measure are said to be _____.
- (F) $\angle COD$ and $\angle AOE$ are congruent because they are _____ angles.
- (R) The two rays that form an angle are called the _____ of the angle.

DEGREE	ADJACENT	INTERIOR	90°	$\angle EOD$	VERTICAL	ANGLE	OBTUSE	ACUTE	SIDES	RIGHT	CONGRUENT	SUPPLEMENTARY	$\angle BOC$	VERTEX	COMPLEMENTARY
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Cryptic Quiz

TO DECODE THE ANSWERS TO THESE TWO QUESTIONS:

Figure out the measure of the unknown angle in any exercise. Then find this measure in the code. Each time it appears, write the letter of that exercise above it. Keep working and you will decode both answers.



1. WHAT IS ROUND AND VERY DANGEROUS?

- _____
- 112° 62° 120° 40° 120° 53° 45° 76° 40° 120° 104° 40° 54° 35°

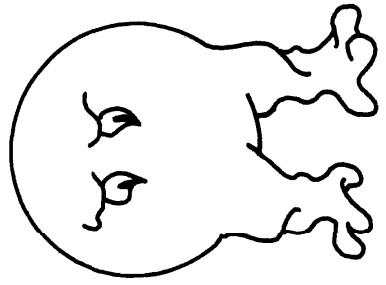
2. WHAT HAS FIFTY LEGS BUT CAN'T WALK?

- _____
- 65° 112° 54° 60° 112° 40° 35° 119° 127° 120° 74° 35° 43° 35°



- S IF $m\angle 1 = 76^\circ$, THEN $m\angle 3 =$
- R IF $m\angle 1 = 76^\circ$, THEN $m\angle 2 =$
- A IF $m\angle 2 = 112^\circ$, THEN $m\angle 4 =$
- N IF $m\angle 3 = 61^\circ$, THEN $m\angle 4 =$
- O IF $m\angle 11 = 53^\circ$, THEN $m\angle 12 =$
- T IF $m\angle 11 = 53^\circ$, THEN $m\angle 13 =$
- L IF $m\angle 5 = 36^\circ$, THEN $m\angle 6 =$
- U IF $m\angle 6 = 45^\circ$, THEN $m\angle 5 =$

- D IF $m\angle 7 = 73^\circ$ AND $m\angle 8 = 64^\circ$, THEN $m\angle 9 =$
- P IF $m\angle 8 = 57^\circ$ AND $m\angle 9 = 49^\circ$, THEN $m\angle 7 =$
- H IF $m\angle 7 = 80^\circ$ AND $m\angle 9 = 35^\circ$, THEN $m\angle 8 =$
- V IF $m\angle 10 = 28^\circ$, THEN $m\angle 11 =$
- E IF $m\angle 11 = 55^\circ$, THEN $m\angle 10 =$
- F IF $m\angle 10 = 30^\circ$, THEN $m\angle 12 =$
- I IF $m\angle 10 = 30^\circ$, THEN $m\angle 13 =$
- C IF $m\angle 13 = 130^\circ$, THEN $m\angle 10 =$



Daffynition Decoder

TO DECODE THESE THREE DAFFYNITIONS, FOLLOW THESE DIRECTIONS:

Figure out the measure of the unknown angle in any exercise. Then find this measure in the code. Each time it appears, write the letter of that exercise above it.

KEEP WORKING AND YOU WILL DECODE THE THREE DE-FUN-ITIONS.

RAINCOAT:

40° 80° 132° 35° 95° 90° 48° 66° 90° 36° 48°

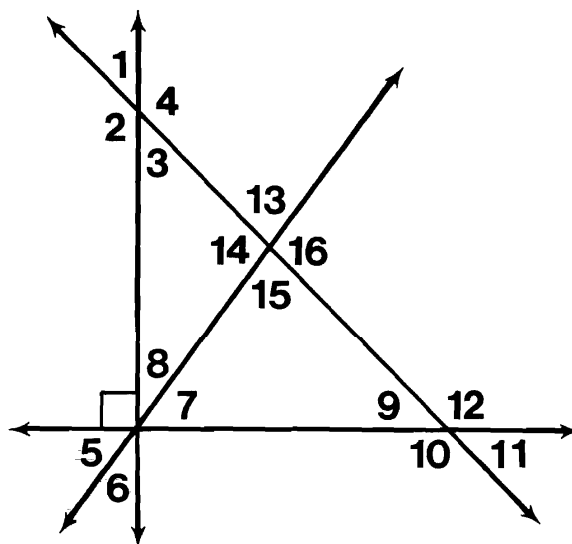
PASTEURIZE:

40° 130° 130° 105° 36° 48° 40° 130° 30° 90° 90°

WILL:

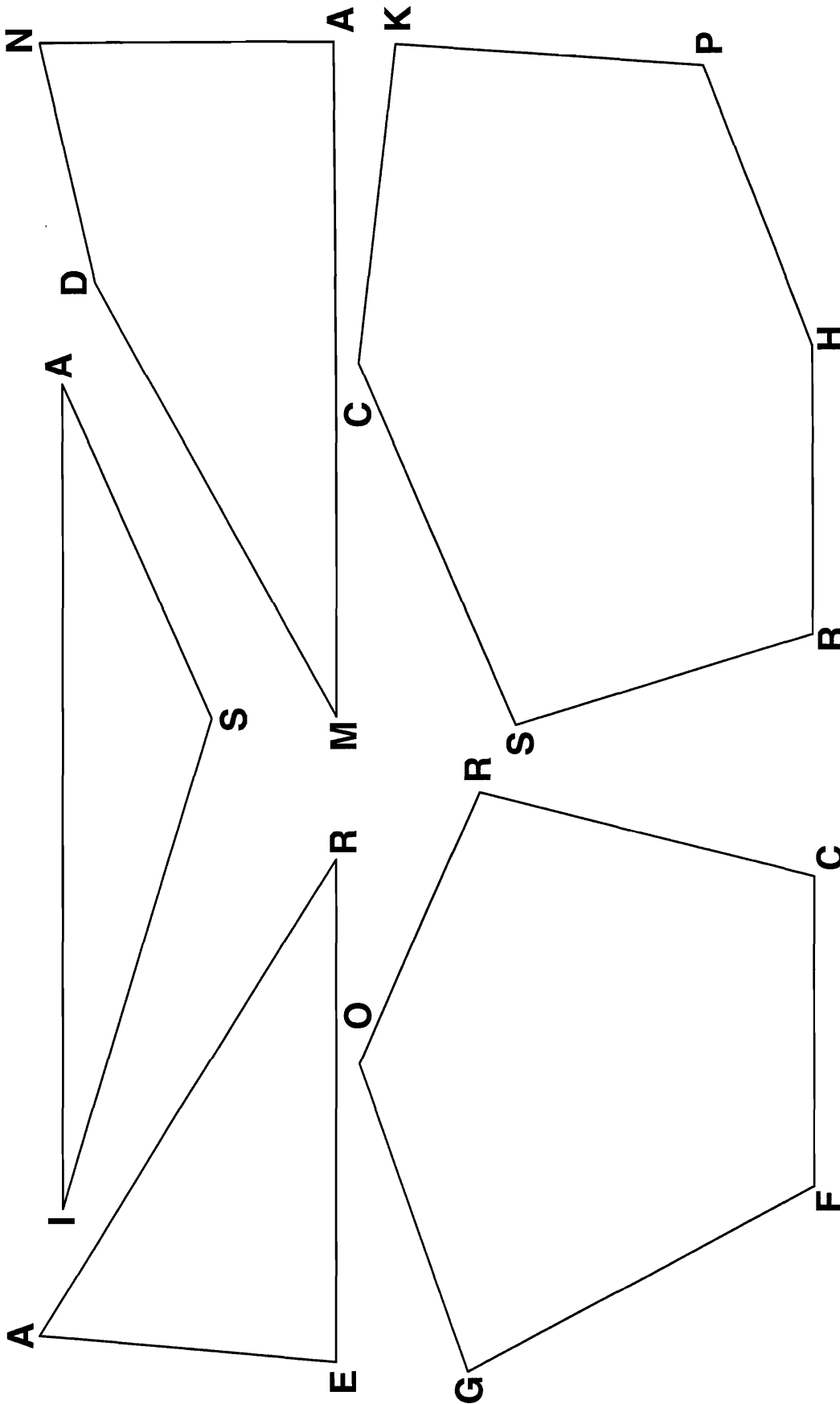
36° 95° 90° 36° 95° 55° 33° 50° 90° 36° 66° 36° 31°

- Ⓡ IF $m\angle 1 = 48^\circ$, THEN $m\angle 3 =$ _____
- Ⓤ IF $m\angle 1 = 48^\circ$, THEN $m\angle 4 =$ _____
- Ⓥ IF $m\angle 6 = 40^\circ$, THEN $m\angle 5 =$ _____
- Ⓐ IF $m\angle 7 = 54^\circ$, THEN $m\angle 8 =$ _____
- Ⓨ IF $m\angle 7 = 59^\circ$, THEN $m\angle 6 =$ _____
- Ⓛ IF $m\angle 5 = 57^\circ$, THEN $m\angle 8 =$ _____
- Ⓣ IF $m\angle 3 = 50^\circ$, THEN $m\angle 9 =$ _____
- Ⓢ IF $m\angle 12 = 120^\circ$, THEN $m\angle 3 =$ _____
- ⓗ IF $m\angle 7 = 55^\circ$ AND $m\angle 9 = 45^\circ$, THEN $m\angle 15 =$ _____
- Ⓝ IF $m\angle 3 = 46^\circ$ AND $m\angle 14 = 99^\circ$, THEN $m\angle 8 =$ _____
- Ⓦ IF $m\angle 9 = 29^\circ$ AND $m\angle 15 = 85^\circ$, THEN $m\angle 7 =$ _____
- Ⓕ IF $m\angle 8 = 37^\circ$ AND $m\angle 3 = 38^\circ$, THEN $m\angle 14 =$ _____
- Ⓞ IF $m\angle 7 = 40^\circ$ AND $m\angle 15 = 90^\circ$, THEN $m\angle 12 =$ _____
- Ⓖ IF $m\angle 3 = 35^\circ$ AND $m\angle 16 = 90^\circ$, THEN $m\angle 8 =$ _____
- Ⓔ IF $m\angle 8 = 40^\circ$ AND $m\angle 12 = 140^\circ$, THEN $m\angle 15 =$ _____
- Ⓓ IF $m\angle 7 = 55^\circ$ AND $m\angle 1 = 50^\circ$, THEN $m\angle 16 =$ _____



HOW DO BULLDOGS GET FLAT NOSES?

DIRECTIONS: Measure any angle below and find your answer in one of the boxes at the bottom. Write the vertex letter of the angle in the box. Keep working and you will discover the answer to the little question.



118°	32°	136°	29°	104°	159°	63°	96°	17°	77°	82°	115°	24°	107°	93°	85°	164°	150°	90°	100°	139°
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