The Square Team

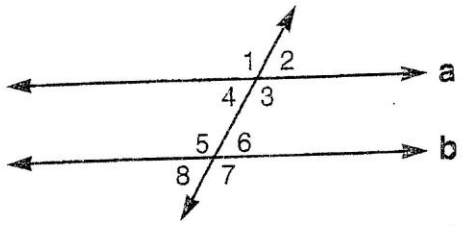
NAME _____

DATE _____

PERIOD _____

PRE-ALGEBRA
ANGLES and PARALLEL LINES
CHAPTER 10-3

Directions: There are three correct answers for each problem. Circle the single INCORRECT statement. The letters next to the incorrect answers will provide the solution to the riddle when they are placed on the blank lines, which match the problem numbers, below.



a ∥ b

1. Which is incorrect?
   - A) $\angle 1 \cong \angle 3$
   - E) $\angle 2 \cong \angle 4$
   - O) $\angle 1 \cong \angle 8$
   - U) $\angle 1 \cong \angle 5$

2. Which is incorrect?
   - A) $\angle 2 \cong \angle 6$
   - E) $\angle 3 \cong \angle 6$
   - I) $\angle 5 \cong \angle 7$
   - O) $\angle 6$ is supplementary to $\angle 7$

3. Which is incorrect?
   - L) $\angle 8$ is supplementary to $\angle 7$
   - M) $\angle 2 \cong \angle 8$
   - N) $\angle 6 \cong \angle 7$
   - T) $\angle 3$ is supplementary to $\angle 4$

4. Which is incorrect?
   - R) $\angle 2 \cong \angle 7$
   - S) $\angle 3 \cong \angle 7$
   - N) $\angle 4 \cong \angle 8$
   - T) $\angle 5$ is supplementary to $\angle 6$

5. If $\angle 1 = 120°$, then . . .
   - R) $\angle 7 = 120°$
   - S) $\angle 6 = 120°$
   - T) $\angle 2 = 60°$
   - N) $\angle 4 = 60$

6. If $\angle 6 = 48°$, then . . .
   - R) $\angle 5 = 132°$
   - S) $\angle 2 = 48°$
   - T) $\angle 3 = 48°$
   - N) $\angle 4 = 48°$

7. If $\angle 4 = 39°$, then . . .
   - R) $\angle 6 = 141°$
   - S) $\angle 5 = 141°$
   - T) $\angle 1$ = is supplementary to $\angle 4$
   - N) $\angle 2$ is vertical to $\angle 4$

8. Which is incorrect?
   - M) $\angle 5$ is vertical to $\angle 7$
   - D) $\angle 1$ is vertical to $\angle 3$
   - Y) $\angle 8$ is complementary to $\angle 5$
   - E) $\angle 6$ is supplementary to $\angle 7$

9. Which is incorrect?
   - A) $\angle 6$ and $\angle 8$ are vertical angles
   - E) $\angle 3$ and $\angle 5$ are alternate interior angles
   - I) $\angle 5$ and $\angle 6$ are vertical angles
   - O) $\angle 4$ and $\angle 6$ are alternate interior angles

10. Which is incorrect?
    - E) $\angle 3$ and $\angle 7$ are corresponding angles
    - F) $\angle 3$ and $\angle 6$ are alternate interior angles
    - G) $\angle 5$ and $\angle 1$ are corresponding angles
    - H) $\angle 5 + \angle 2 = 180°$

Question: What professional football team is the square of a prime number?

10	1	4	6	8		3	9	3	2	7	5