

3.2 Puzzle Time

What Did The Acorn Say When It Grew Up?

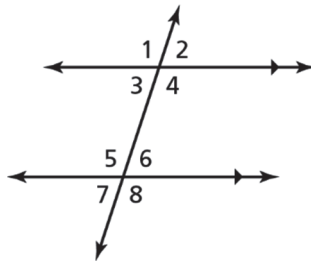
Circle the letter of each correct answer in the boxes below. The circled letters will spell out the answer to the riddle.

Complete the sentence.

- If two parallel lines are cut by a transversal, then the pairs of consecutive interior angles are _____.
- If two parallel lines are cut by a transversal, then the pairs of alternate interior angles are _____.

Using the properties of parallel lines, find the angle measure.

- $m\angle 2 = 74^\circ$; Find $m\angle 1$.
- $m\angle 2 = 74^\circ$; Find $m\angle 3$.
- $m\angle 1 = 114^\circ$; Find $m\angle 8$.
- $m\angle 4 = 56^\circ$; Find $m\angle 6$.
- $m\angle 1 = 84^\circ$; Find $m\angle 7$.
- $m\angle 8 = 116^\circ$; Find $m\angle 2$.



G 64°	E 124°	I 116°	F 66°	O 106°	A transitive	E complementary	M congruent
T 84°	E 74°	I 34°	T 96°	R 114°	Y supplementary	M 56°	E 116°