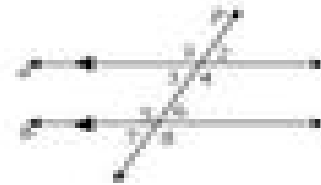


a) l and p is a transversal. Fill in the blanks describing the angle relationships with regard to $\angle 5$.

- $\angle 5$ and \angle _____ are a linear pair
- $\angle 5$ and \angle _____ are a linear pair
- $\angle 5$ and \angle _____ are vertical angles
- $\angle 5$ and \angle _____ are corresponding angles
- $\angle 5$ and \angle _____ are alternate interior angles
- $\angle 5$ and \angle _____ are consecutive interior angles



a) l and p is a transversal. If $m\angle 1 = 140^\circ$, find the measure of each angle giving one reason for each answer.

$m\angle 2 =$ _____

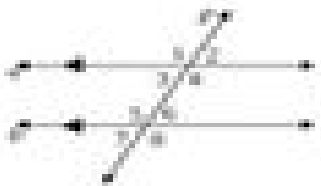
$m\angle 3 =$ _____

$m\angle 4 =$ _____

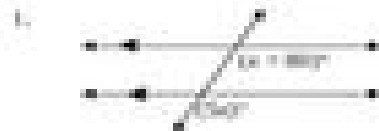
$m\angle 5 =$ _____

$m\angle 6 =$ _____

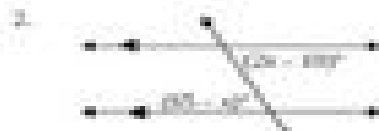
$m\angle 7 =$ _____



Identify the type of angles and their relationship. Write the equation used to solve for x . Then, find the value of x . Put a box around your answer.



type of angles: _____
 relationship: _____
 equation: _____



type of angles: _____
 relationship: _____
 equation: _____