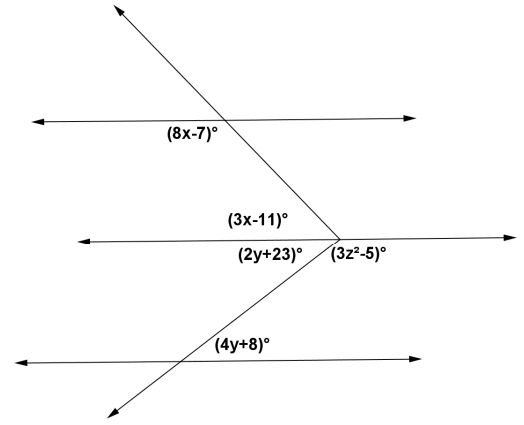


Geometry
Problem Solving #5

1. Determine the values of x , y and z in the picture at the right.



2. The lines $y = 5x + 3$, $y = -2x - 25$, and $y = 3x + k$ all intersect at the same point. What is the value of k ?

3. Mr. Martin's math class of 20 students averaged 66% on an examination; Ms. Mason's math class of 30 students averaged 56%. What was the average percentage for all of the students?

4. In magic squares, the sum of all the rows, columns, and diagonals are the same. Find the value of B in this magic square. All values will be positive whole numbers.

19	A	14
10	B	C
D	E	11