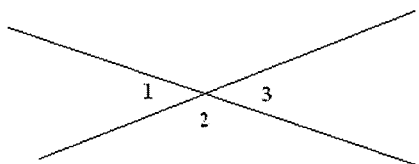


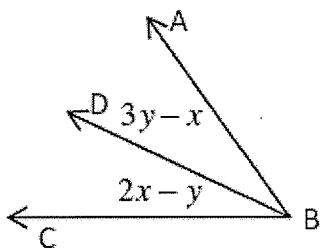
### Systems of Equations:

Write a system of equations to represent each problem. Show all work to solve for  $x$  and  $y$ .

1.  $m\angle 1 = x + 2y$ ,  $m\angle 2 = 9x - y$ ,  $m\angle 3 = 2x + 3$ .



2.  $\overline{BD}$  bisects  $\angle ABC$ .  $m\angle ABC = 25$



3.  $\angle MNT$  and  $\angle FED$  are right angles.

