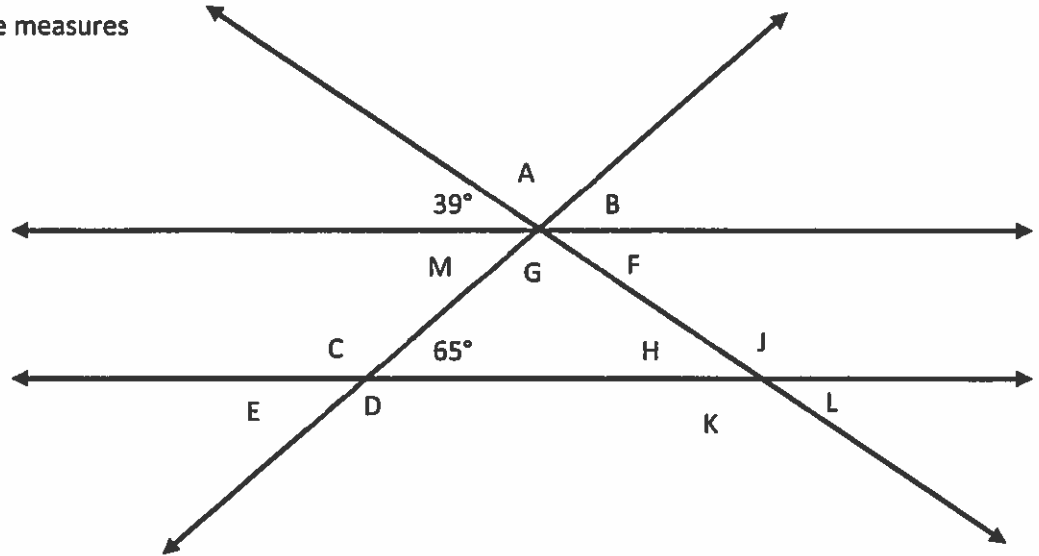


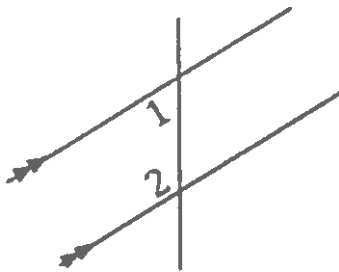
### Multiple Transversals Worksheet

1. Find all missing angle measures

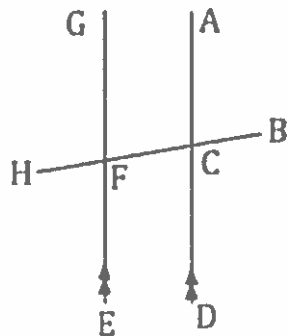


For each of the following, find the value of  $x$  by writing a two-column proof.

2.  $m\angle 1 = 2x + 4$   
 $m\angle 2 = 102^\circ$



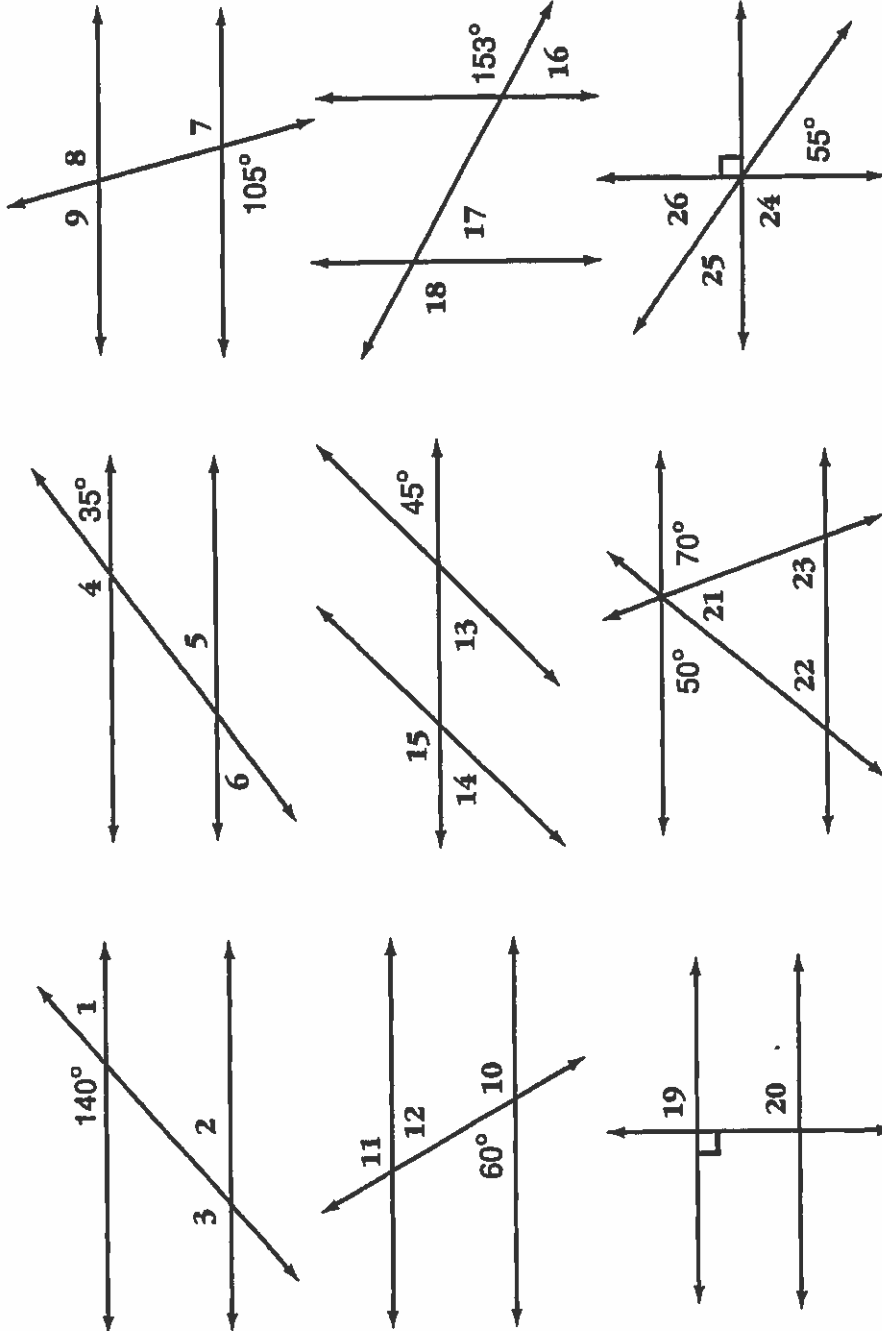
3.  $m\angle HFG = 92^\circ$   
 $m\angle FCA = x + 25$



# Why Couldn't the Two Elephants Go Swimming Together?

Give the measure of each numbered angle. Find your answer in the Code Key and notice the letter next to it. Write this letter in the box containing the number of the angle. (Assume that lines in each figure that do not intersect are parallel.)

CODE KEY	
27°	A
35°	O
40°	R
45°	Y
50°	I
55°	P
60°	T
70°	U
75°	F
90°	N
105°	H
120°	E
135°	K
140°	L
145°	S
153°	D



12	7	10	14	8	16	18	6	20	3	13	25	19	11	26	17	22	1	5	9	21	2	23	24	15	4
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