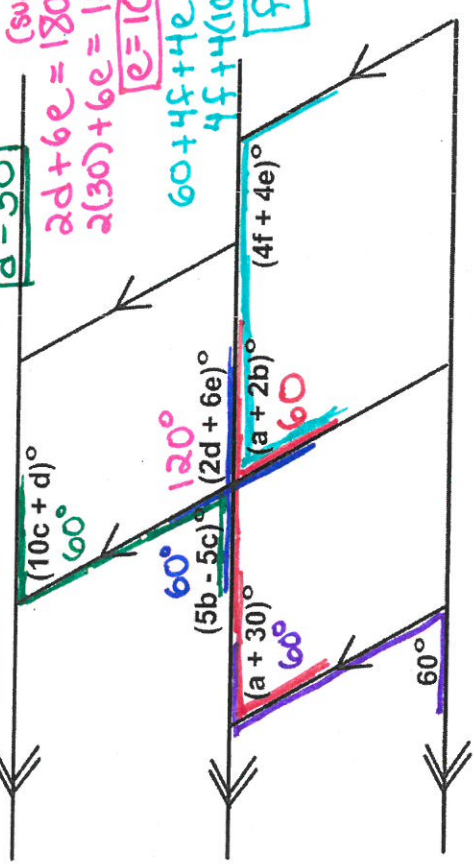
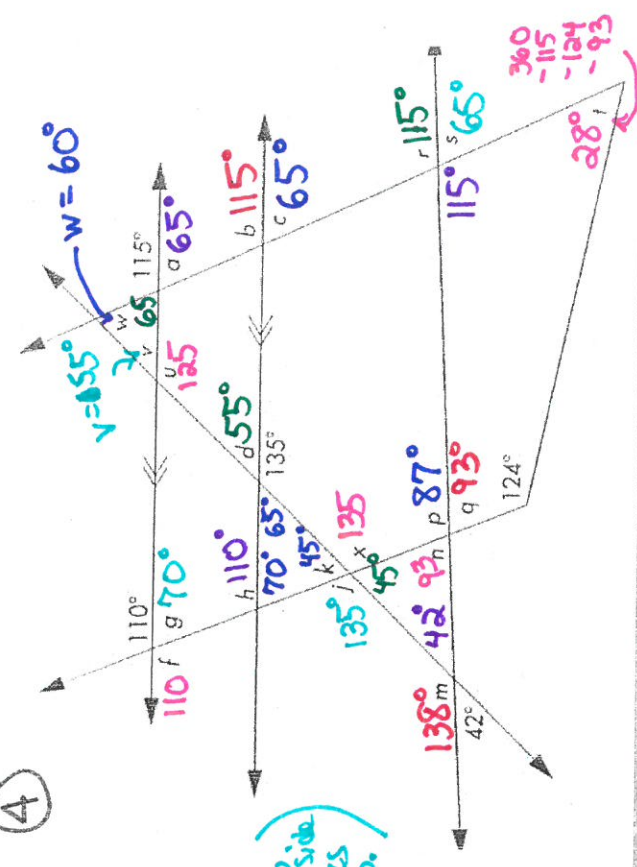


$a + 30 = 60$ ($\angle S \cong$)
 $a = 30$
 $a + 2b = 60$ ($\text{if } \parallel, \text{ corr. } \angle S$)
 $30 + 2b = 60$
 $b = 15$
 $5(15) - 5c = 60$
 $5c = 15$ $c = 3$
 $10c + d = 60$ ($\text{if } \parallel, \text{ alt. int. } \angle S$)
 $10(3) + d = 60$
 $d = 30$



$2d + 6e = 180 - 60$ (Supp. $\angle S$)
 $2(30) + 6e = 120$
 $e = 10$
 $60 + 4f + 4e = 180$ (if \parallel , same side int. $\angle S$)
 $4f + 4(10) = 120$
 $f = 20$

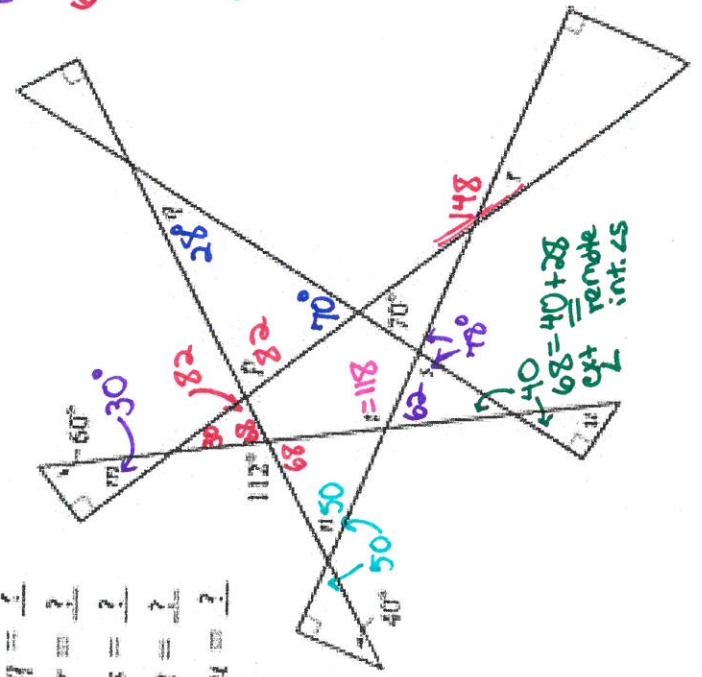
4



if \parallel , same side int. $\angle S$ (Supp.)

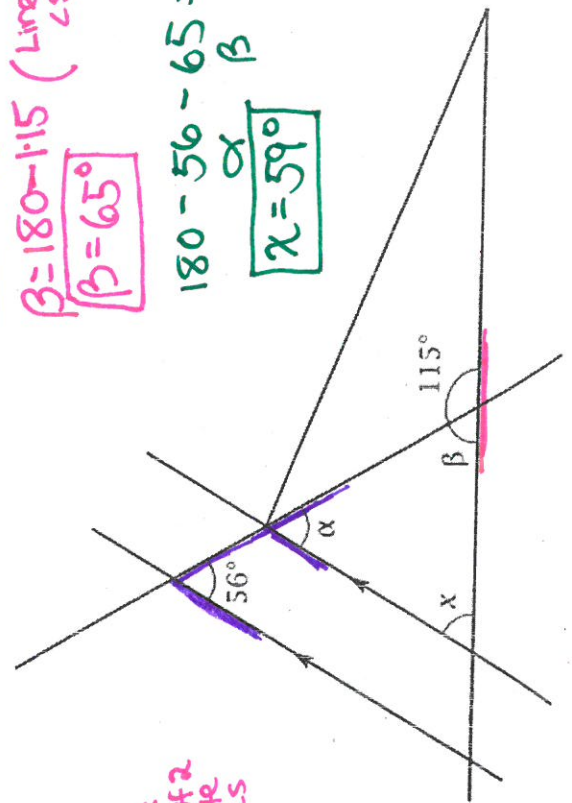
5

$q = ?$
 $r = ?$
 $s = ?$
 $t = ?$
 $u = ?$



$90 - 60 = 30 = m$
 $68 + 30 = 98$
 $180 - 98 = 82$ $p = 82$
 $90 - 40 = 50 = n$
 $t = 50 + 68$ ext. \angle sum of 2 remote int. $\angle S$
 $t = 118$
 $180 - 82 - 70$ $28 = q$
 $180 - 62 - 40$ $s = 78$
 $180 - 90 - 40$ $u = 50$
 $180 - 148$ $32 = r$

6



$\alpha = 56$ (If \parallel , corr. $\angle S$)
 $\beta = 180 - 115$ (Linear pair $\angle S$ are supp.)
 $\beta = 65$
 $180 - 56 - 65 = \chi$ (Sum of $\angle S$ in $\Delta = 180$)
 $\chi = 59$