

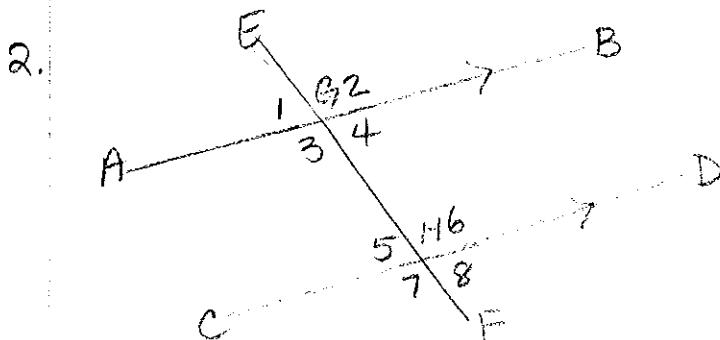
Foundations of Math 11

2.1

P. 72 #1-6

1. a) parallel lines: rails, stringers
transversals: ties under rails, struts

- b) You can't show parallel lines in the photo because of the "vanishing point" perspective that photos have. It looks like parallel lines meet in the distance.



corresponding angles are equal:

$$L_1 = L_5$$

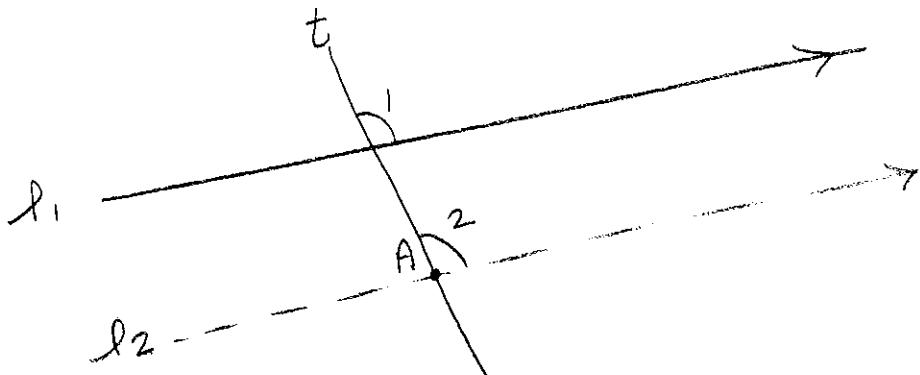
$$L_3 = L_7$$

$$L_2 = L_6$$

$$L_4 = L_8$$

Some angles that are not equal are supplementary.

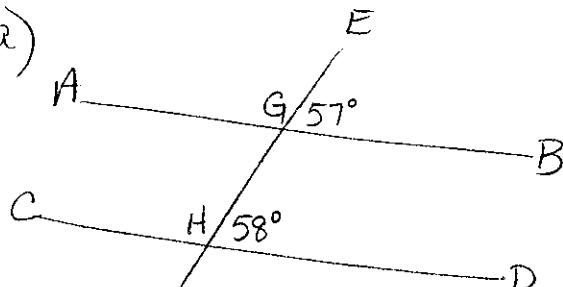
3. Draw a line (l_1) and a transversal (t). Measure the angle between them (L_1) and create the same angle (L_2) in another location A on the transversal. Draw the second (l_2) across the transversal.



4. The cuts are the parallel lines and the edge of the wood is the transversal

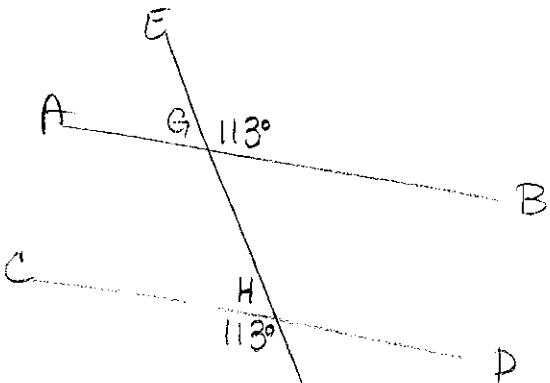
P. 72 cont.

5. a)



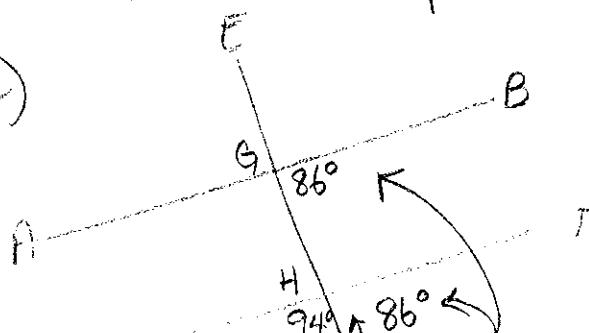
The angles 57° and 58° are corresponding L's and would be equal but the lines are not parallel

b)



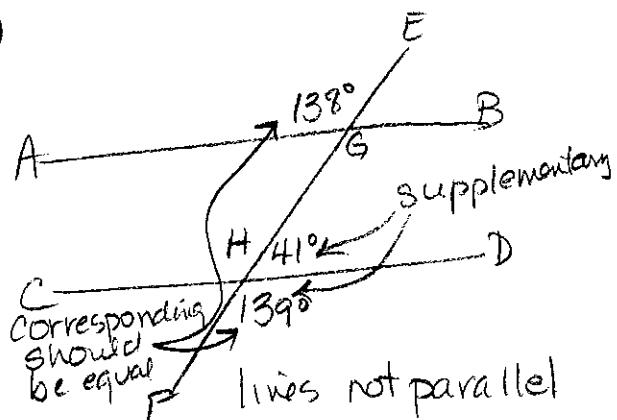
exterior angles are equal
so lines are parallel

c)



corresponding
supplementary
lines are parallel

d)



corresponding
should
be equal
lines not parallel

6. The diagonal lines are parallel - use a ruler to measure the distance apart.