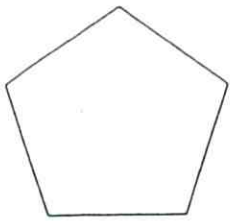
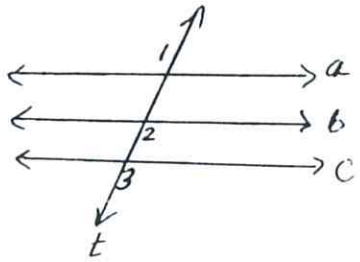
21. Find the sum of the measures of the angles of the figure. Classify the polygon by its sides.



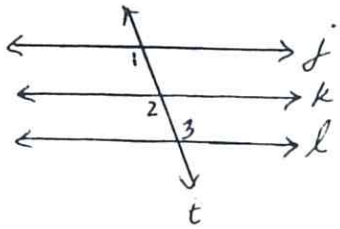
22. The interior angle sum of a regular convex polygon is 2520°. Find the number of sides, n, algebraically.

For 23-25, prove each with a 2-column proof.

23. Given: $a \parallel b$, $b \parallel c$
Prove: $\angle 1 \cong \angle 3$



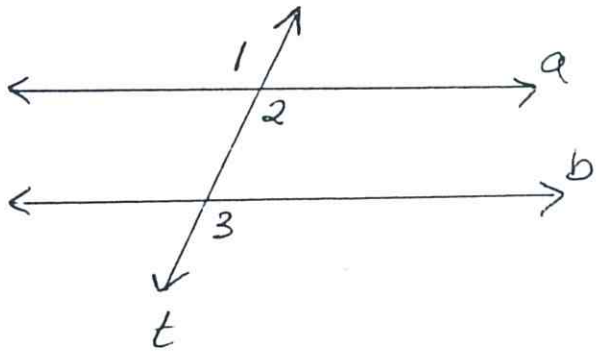
24. Given: $j \parallel k$, $l \parallel k$
Prove: $j \parallel l$



25. Prove this theorem: "*If two lines and a transversal form congruent alternate interior angles, then the two lines are parallel.*"

Given: _____

Prove: _____



Ch 2 Review/Study Guide

p 117-119 11-17, 24-35

Do 24+35 as full 2column proofs... copy given, prove + diagram

Unit 2 covers

2.1, 2.2, 2.4, 2.5

3.1, 3.2, 3.4, 3.5