

Unit 2 Day 3 Homework – Parallel Lines, Transversals, and Introduction to Proof

I. Identify each pair of angles as corresponding, alternate interior or vertical.

II. Identify the relationship between the pairs of angles. Solve for x and then find each angle measure.

--	--	--

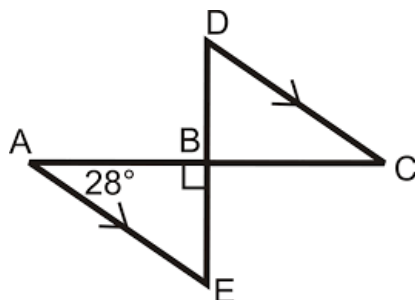
III. Find the measure of each angle.

10. Find $m\angle DBC$

11. Find $m\angle DCB$

12. Find $m\angle BDC$

13. Find $m\angle BEA$



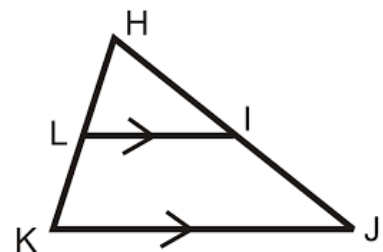
Given: $m\angle HLI = 70^\circ$

$m\angle HIL = 40^\circ$

14. Find $m\angle HKJ$

15. Find $m\angle HJK$

16. Find $m\angle H$



IV. Beginning a proof!

17. Given: $\overline{AB} \parallel \overline{DE}$

Fill in two statements and justifications based on the given information and the picture.

Statement	Justification

