Unit 4b Day 8

Congruent Triangle Review

Warm Up Day 8 Review Day

43. In an isosceles triangle, the measure of the vertex angle is 4x. The measure of each base angle is 2x + 10. What is the measure of the vertex angle?

A. 10

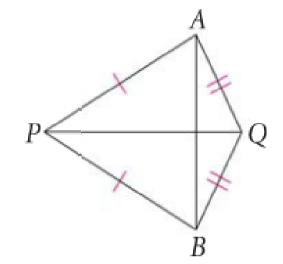
B. 20

C. 50

D. 80

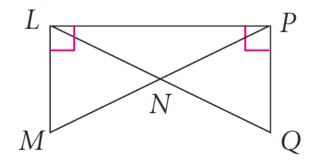
44. In the figure at the right, $m \angle APB = 60$.

- **a.** What is $m \angle PAB$? Explain.
- **b.** $\angle PAB$ and $\angle QAB$ are complementary. What is $m \angle AQB$? Show your work.



45. Name a pair of overlapping congruent triangles, and which postulate or theorem makes them congruent.

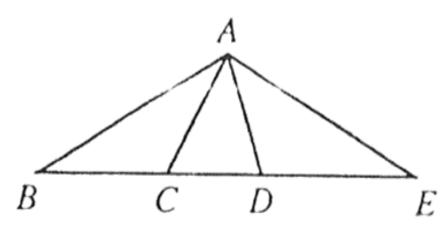
Given:
$$\overline{MP}\cong \overline{QL}, \overline{LP}\perp \overline{LM},$$
 $\overline{LP}\perp \overline{PQ}$



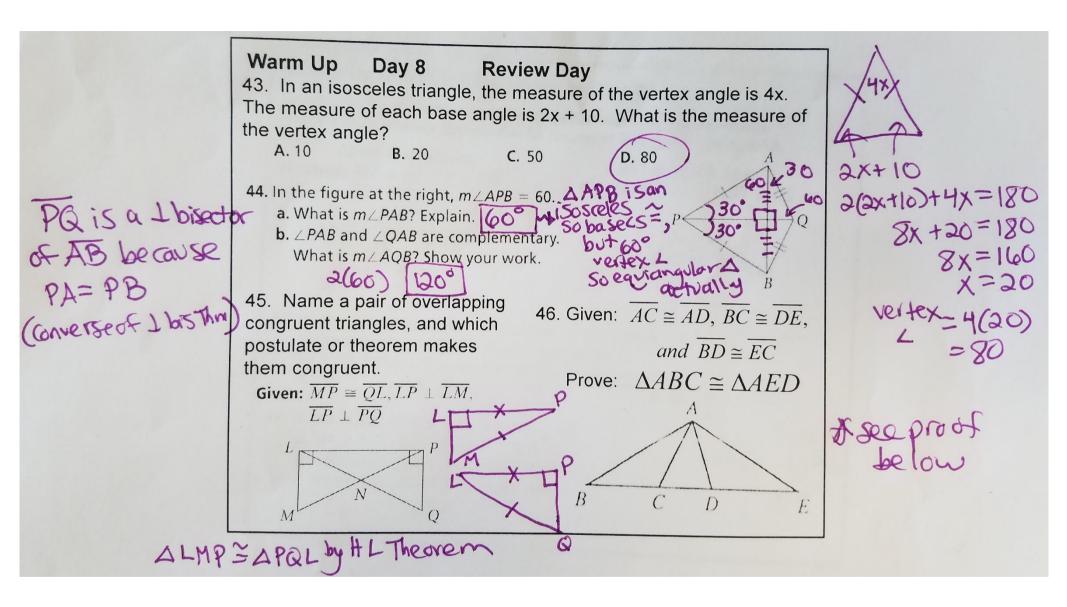
46. Given: $\overline{AC} \cong \overline{AD}$, $\overline{BC} \cong \overline{DE}$,

and
$$\overline{BD} \cong \overline{EC}$$

Prove: $\triangle ABC \cong \triangle AED$



Warm Up ANSWERS Review Day 8



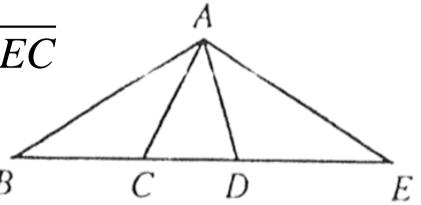
Warm Up ANSWERS

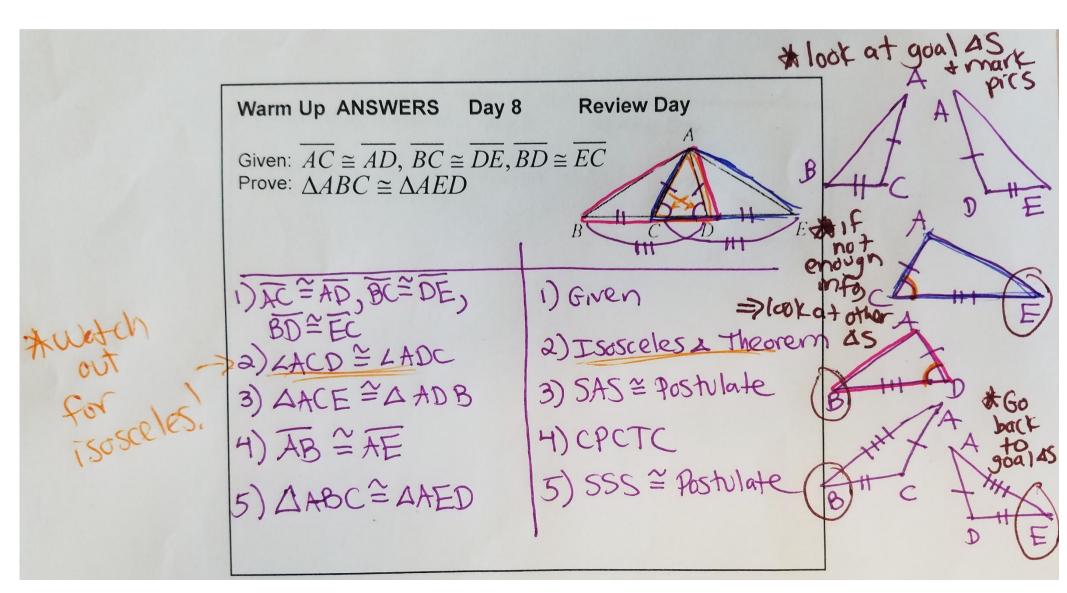
Day 8

Review Day

Given: $AC \cong AD$, $BC \cong DE$, $BD \cong EC$

Prove: $\triangle ABC \cong \triangle AED$





HW Discussion

Tonight's HW

Review Sheet on Weebly

Amazing Race Review Activity

- You will work with your assigned group
- Each person must complete problems from the Country sheet on Notebook paper ONLY (NOT on the Country sheet!!), which will be collected
- When you complete a "Country", check answers with your group, then one group member should bring your answer sheet to the teacher to be checked
- If you've successfully "toured" that country, your teacher will tell you the next country on your journey (1st, be sure to return the prior country's sheet to its folder)
- When you successfully complete the Amazing Race, you'll end back where you began. ☺