## 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 $4 x$. The measure of each base angle is $2 x+10$. What is the measure of the vertex angle?
A. 10
B. 20
C. 50
D. 80
44. In the figure at the right, $m \angle A P B=60$.
a. What is $m \angle P A B$ ? Explain.
b. $\angle P A B$ and $\angle Q A B$ are complementary. What is $m \angle A Q B$ ? Show your work.
45. Name a pair of overlapping congruent triangles, and which postulate or theorem makes them congruent.
Given: $\overline{M P} \cong \overline{Q L}, \overline{L P} \perp \overline{L M}$, $\overline{L P} \perp \overline{P Q}$

46. Given: $\overline{A C} \cong \overline{A D}, \overline{B C} \cong \overline{D E}$, and $\overline{B D} \cong \overline{E C}$
Prove: $\triangle A B C \cong \triangle A E D$


Warm Up ANSWERS Review Day 8


Warm Up ANSWERS
Day 8
Review Day
Given: $\overline{A C} \cong \overline{A D}, \overline{B C} \cong \overline{D E}, \overline{B D} \cong \overline{E C}$
Prove: $\triangle A B C \cong \triangle A E D$


* look at goal $\Delta S$



## 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 ( $1^{\text {st }}$, 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. ()

