ANSWER PRESENTATION TOOL

Blue - Student Edition 3 Chapter Tes 1-15 ALL EVEN ODD Show Solu

1. 133°; $\angle 1$ and the given angle are supplementary.

2. 133°; $\angle 8$ and $\angle 1$ are alternate exterior angles.

3. 133°; $\angle 1$ and $\angle 4$ are vertical angles.

4. 133°; $\angle 4$ and $\angle 5$ are alternate interior angles.

5. 28°, 129°, 23°

6. 68°, 68°, 44°

7. 60°, 60°, 60°

8. 130°

9. The exterior angle can have any measure greater than 15° and less than 180°.

10. 90°, 125°, 100°, 100°, 125°

11. 71°, 111°, 88°, 90°

12. no; The triangles do not have the same angle measures.

13. yes; The two triangles have two pairs of congruent angles.

14. *Sample answer:*

1) The given angle and ∠3 are supplementary, so ∠3 = 115°; ∠3 and ∠5 are alternate interior angles, so ∠3 = ∠5 = 115°.

2) The given angle and ∠8 are alternate exterior angles, so ∠8 = 65°; ∠5 and ∠8 are supplementary, so ∠5 = 115°.

15. 60 m