

# ANSWER PRESENTATION TOOL

Blue - Student Edition

3

Quiz 1

1-15

ALL EVEN

Show Sol

ODD

1.  $\angle 2 = 82^\circ$ ;  $\angle 2$  and the given angle are alternate exterior angles.

2.  $\angle 6 = 82^\circ$ ;  $\angle 6$  and the given angle are vertical angles.

3.  $\angle 4 = 82^\circ$ ;  $\angle 4$  and the given angle are corresponding angles.

4.  $\angle 1 = 98^\circ$ ;  $\angle 4$  and  $\angle 1$  are supplementary.

5.  $123^\circ$ ;  $\angle 1$  and  $\angle 7$  are alternate exterior angles.

6.  $122^\circ$ ;  $\angle 2$  and  $\angle 8$  are alternate interior angles and  $\angle 8$  and  $\angle 5$  are supplementary.

7.  $119^\circ$ ;  $\angle 5$  and  $\angle 3$  are alternate interior angles.

8.  $60^\circ$ ;  $\angle 4$  and  $\angle 6$  are alternate exterior angles.

9.  $60^\circ$ ;  $60^\circ$ ;  $60^\circ$

**10.**  $115^\circ; 40^\circ; 25^\circ$

**11.**  $45^\circ; 45^\circ; 90^\circ$

**12.**  $105^\circ$

**13.**  $60^\circ$

**14.**  $\angle 1 = 108^\circ, \angle 2 = 108^\circ$ ; Because of alternate interior angles, the angle below  $\angle 1$  is  $72^\circ$ . This angle is supplementary to both  $\angle 1$  and  $\angle 2$ .

**15.** Exterior angle with wall:  
 $180 - 15 = 165^\circ$ ;  
Exterior angle with ground:  $180 - 5(15) = 105^\circ$ ;  
 $x + 5x + 90 = 180$   
 $x = 15$