CHAPTER 12 – ANSWERS TO ANGLE PRACTICE PROBLEMS

1. (a) alternate exterior angles
   (b) alternate exterior angles
   (c) corresponding angles
   (d) interior angles on the same side of the transversal (supplementary angles)
   (e) alternate interior angles
   (f) corresponding angles
   (g) alternate interior angles
   (h) alternate interior angles
   (i) interior angles on the same side of the transversal (supplementary angles)

2. $m(\angle 1) = 82^\circ$, $m(\angle 2) = 58^\circ$, $m(\angle 3) = 58^\circ$, $m(\angle 4) = 82^\circ$, $m(\angle 5) = 40^\circ$,
   $m(\angle 6) = 58^\circ$, $m(\angle 7) = 40^\circ$, $m(\angle 8) = 140^\circ$

3. $m(\angle 1) = 65^\circ$, $m(\angle 2) = 115^\circ$, $m(\angle 3) = 65^\circ$, $m(\angle 4) = 115^\circ$, $m(\angle 5) = 115^\circ$,
   $m(\angle 6) = 65^\circ$

4. $m(\angle 1) = 105^\circ$, $m(\angle 2) = 75^\circ$, $m(\angle 3) = 105^\circ$, $m(\angle 4) = 105^\circ$, $m(\angle 5) = 39^\circ$,
   $m(\angle 6) = 36^\circ$, $m(\angle 7) = 105^\circ$, $m(\angle 8) = 39^\circ$