2.6 Special Angles on Parallel Lines

1) a = 54, b = 54, c = 54

2) a =115, b = 65, c = 115, d = 65

3) a = 72, b = 126

4) Parallel since Corresponding Angles are congruent.

5) Not parallel since consecutive interior angles are not supplementary

6) Not enough information

7) b = 78, a = 102, e = 26, f = 58, d = 122, c = 58.

8) 3x – 160 = x x = 80

9) 182 – 4x = 5x + 2 x = 20

182 – 4(20) = 4y + 2 y = 25