

Answer key for practice worksheet 2-4:

1) comp. =  $17.5^\circ$     supp. =  $107.5^\circ$

2) comp. =  $90 - 2y$     supp. =  $180 - 2y$

3) comp. =  $45^\circ$  each    supp. =  $90^\circ$  each

4)  $\angle AFD$

5)  $\angle AFE$  &  $\angle EFD$

6)  $\angle AFB$  &  $\angle AFD$

7)  $\angle BFC$  &  $\angle DFC$  or  $\angle EFD$  &  $\angle EFB$

8)  $\angle BFC$  &  $\angle EFD$

9)  $\angle EFB$  &  $\angle DFC$

10)  $35^\circ$

11)  $155^\circ$

12)  $25^\circ$

13)  $120^\circ$

14)  $60^\circ$

15)  $85^\circ$

16)  $x = 25$

17)  $x = 47$  and  $y = 75$

18)  $x = 29^\circ$  and comp =  $61^\circ$

19)  $x = 36^\circ$  and supp. =  $144^\circ$

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Answer key for practice worksheet 2-4 part II:

1)  $60^\circ$

2)  $36^\circ$

3)  $29^\circ$  comp. =  $61^\circ$

4)  $120^\circ$

5)  $56^\circ$  supp. =  $124^\circ$

6)  $72^\circ$  supp =  $108^\circ$  comp =  $18^\circ$

7) 3

8) 5