**Day 2 Practice Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Supplementary and Complementary Angles

Find the measures of angles 1 through 22. Mark them in your diagram.

3

4

5

104°

71°

2

57°

1

42°

11

10

9

12

13

122°

75°

62°

8

7

6

70°

21

22

91°

18

19

20

25°

17

16

15

14

73°

23) Find m∠DBC.

B

C

A

x°

D

8x°

(4x – 20)°

x°

A

B

C

D

24) Find m∠DBC.

25) ∠1 and ∠2 are complementary. m∠1 = 2x + 7 and m∠2 = 4x – 19. Find the measure of each angle.

26) ∠3 and ∠4 are supplementary. m∠3 = 5x + 22 and m∠4 = 7x + 2. Find the measure of each

 angle.

27) Use the diagram on the right to name:

A

D

C

B

E

F

G















 a) two complementary angles

1. two supplementary angles

28) Find the measure of each angle in the diagram if you know the following:

A

E

D

C

B

1

2

6

5

4

3

8

7

9

12

11

10

a. DAB is a right angle

b. ADE is a right angle

c. 1 = 53°

d. m1 = m12

e. 3 = 55°

f. 5 = 88°

g. m4 = m9

h. ABE = 100°

i. DEB = 80°

1 = \_\_\_\_ 2 = \_\_\_\_

3 = \_\_\_\_ 4 = \_\_\_\_

5 = \_\_\_\_ 6 = \_\_\_\_

7 = \_\_\_\_ 8 = \_\_\_\_

9 = \_\_\_\_ 10 = \_\_\_\_

11 = \_\_\_\_ 12 = \_\_\_\_