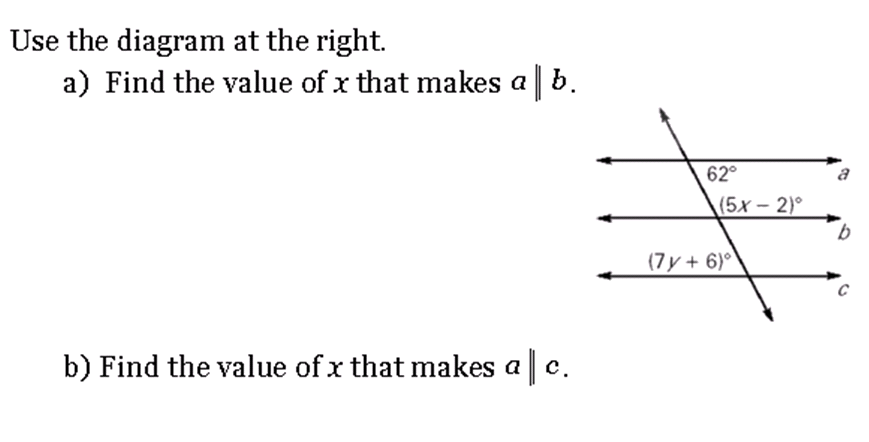
**10. Find the value of *x* that makes l // m.**

**11. a. Find the value of *x* that makes a // b. b. Find the value of *y* that makes a // c.**



**c. Is b // c? Why or why not?**

**State the postulate or theorem that supports each conclusion.**

a

b

1. Given: a || b \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conclusion: 2 ≅ 7

6

5

8

7

1

2

2. Given: m4 + m7 = 180 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4

3

Conclusion: a || b

3. Given: 4 ≅ 5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conclusion: a || b

Find the values of x and y. Explain your reasoning by stating the proper theorem or postulate.

130

x

4. x = y =

y

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

65

y

x

5. x = y =

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. x = y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

80

y

x

**Find the value of x so that *n || m.* State the theorem or postulate that justifies your solution.**

n

m

n

5x-18

5x

n

7.8.9.

m

8x-5

7x+13

5x+23

3x+48

m

**x = x = x =**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Can you prove that lines p and q are parallel? If so, state the theorem or postulate that you would use.

q

p

q

p

p

10.11.12.

q

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_