Exercise 4

The Properties of Equality

Find whether both sides of the equations are equal by using the symmetric property, the transitive property, the addition property or the multiplication property.

1) If $x = y$, then $x + 3 = y + 3$ .....

2) If $x - 8 = 13$, then $13 = x - 8$ .....

3) If $m = 2n$, then $m + (-5) = 2n + (-5)$ .....

4) If $4p + 6 = 9$, then $4p = 3$ .....

5) If $a = b$, then $4a = 4b$ .....

6) If $\frac{a}{2} = 3b$, then $a = 6b$ .....

7) If $2x = 4y$ and $4y = 8$ then $2x = 8$ .....

8) If $x = a + 1$, then $\frac{x}{3} = \frac{a+1}{3}$ .....

9) If $(x + y) + 3 = z$, then $(x + y) + 5 = z + 2$.....

10) If $7x = y + 6$, then $x = \frac{y+6}{7}$ .....

LIVEWORKSHEETS