

Name _____ Hour _____

Worksheet 3.7

Solving Linear Systems by Substitution

Solve the linear system by substitution. Check your solution. Show your work.

1. $y = 3$ 1. _____
 $2x + y = 11$

2. $x = 5$ 2. _____
 $3x + y = 19$

3. $y = -1$ 3. _____
 $4x + 2y = 10$

4. $2a = 8$ 4. _____
 $a + b = 2$

5. $-3y = 9$ 5. _____
 $4x + y = 1$

6. $-4c = 16$ 6. _____
 $c + 5d = 21$

7. $y = x - 4$ 7. _____
 $4x + y = 26$

8. $q = 4 - p$ 8. _____
 $4p + q = 1$

9. $y = x + 6$ 9. _____
 $y = 4x - 3x + 6$

10. $a = b + 8$ 10. _____
 $a = b + 12$