Name: _____   Date: _____

Solve the following systems by substitution:

1. $y = 6x$
   $2x + 3y = -20$

2. $x = 2y + 7$
   $x = y + 4$

3. $y = 2x + 6$
   $2x - y = 2$

4. $x + 2y = 13$
   $-2x - 3y = -18$

5. $x - 5y = 36$
   $2x + y = -16$

6. $x + 2y = 13$
   $-2x - 3y = -18$

7. $0.5x + 4y = -1$
   $x + 2.5y = 3.5$

8. $\dfrac{1}{2}x + 2y = 12$
   $x - 2y = 6$

9. $4x - 5y = -7$
   $y = 5x$

10. $x + 3y = -4$
    $2x + 6y = 5$

Solve the following systems by elimination:

11. $2x - y = -1$
$3x - 2y = 1$

12. $7x + 4y = -4$
$5x + 8y = 28$

13. $3x + 2y = -9$
$5x - 3y = 4$

14. $3x + 4y = 27$
$5x - 3y = 16$

15. $5x - 2y = -10$
$3x + 6y = 66$

16. $2x - 4y = -22$
$3x + 3y = 30$

17. $3x + 2y = 11$
$2x + 6y = -2$

18. $6x - 3y = 21$
$2x + 2y = 22$

19. $-3x + 2y = -15$
$2x - 4y = -26$

20. $2x - \dfrac{3}{4}y = -7$
$x + \dfrac{1}{2}y = 0$