Name:

Algebra

Section 9.2

**Solve by using the substitution method**

1. y = 2x 2. m = 4n

5x – y = 30 3m – 2n = 20

3. c = 3d – 4 4. 3a = 2b - 6

c + d = 16 a = b – 1

5. 3n + 5m = 7 6. 3y – x = -9

m – 4n = 6 2y + 5x = 11

7. 3x + 2y = 11 8. 3x + 2y = 550

x – 2 = -4y x = 4/5y

9. y/2 – x = 1 10. m/3 + n/3 = 2

x + y + 7 = 0 2m + 3n = 10