Name:

Algebra

Section 8.1

**State whether each ordered pair is a solution of the given equation**

1. 4m – 5n = 9 2. 3a – 5b = 21

 (6, 7), (6, 3) (7, 0), (-2, -3)

3. 5x – 4y = 9 4. 3m – 2n = 6

 (7, 6), (-3, -6) (0, 3), (5/3, -1/2)

5. 2x2 + 3y2 = 57 6. s3 = 4s2t

 (-3, 5), (4, -5) (-2, -1/2), (0, 2/3)

**Solve each equation if x and y are whole numbers**

7. 5x + y = 7 8. 2x + 5y = 10

9. x + 3y = 9 10. 3x + y = 7