Multiply.

1. ( 6x- 9y) 2 2. x (2x + 1) (3x – 4)

Solve by taking square roots.

3. x2 – 2 = 7 4. 7x2  - 9 = 54

5. ( 2x – 1)2 = 9 6. 9 (2x – 3)2 + 8 = 449

Solve by factoring or using quadratic equation.

7. x2 – 13x – 48 = 0 8. 2x2 –3x – 5 = 0

Find the number of solutions.

9. 2x2 + 7x - 1 10. -2x2 + 14x -10