

Name _____
Mr. Schlansky

Date _____
Pre Calculus

Solving Quadratic Equations Using Isolate/Square Root Method

Solve the following equations

1. $2x^2 - 8 = 24$

2. $3x^2 - 5 = 70$

3. $4x^2 - 7 = 41$

4. $-3x^2 - 2 = -146$

5. $2x^2 + 20 = -52$

6. $3x^2 + 91 = 88$

7. $5x^2 + 60 = 0$

8. $x^2 + 80 = -10$

$$9. 2x^2 + 8 = -22$$

$$10. -3x^2 - 50 = 130$$

$$11. (2x - 3)^2 = 16$$

$$12. (3x + 1)^2 = 4$$

$$13. 2(4x - 5)^2 = 18$$

$$14. (6x - 1)^2 + 4 = 5$$

$$15. (5x - 3)^2 = 2$$

$$16. 2(8x - 2)^2 - 1 = 5$$