

Name _____

Date _____

Solve the following Power Functions

Show all the work to get to the final step of doing the reciprocal power.

You will get decimal answers sometimes.

1) $3x^2 + 6 = 1800$

2) $4x^{\frac{1}{4}} - 3 = 1240$

3) $\frac{x^8}{4} + 6 = 26005$

4) $\frac{3x^5}{4} + 4 = 1800$

5) $x^{\frac{1}{5}} + 8 = 13$

$$6) x^{\frac{3}{4}} + 6 = 160$$

$$7) 2x^{\frac{1}{3}} + 4 = 1200$$

$$8) 9x^3 + 6 = 1400$$

$$9) 10x^{\frac{1}{3}} + 4 = 18$$

$$10) 6x^{\frac{2}{3}} - 6 = 18$$