

Name _____

Date _____

Advanced Algebra

Unit 3: Exponential, Log and Power Functions

Solve the following Power Functions- **Assignment #5**

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

You will get decimal answers sometimes.

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

#1 Final Answer

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

#2 Final Answer

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

#3 Final Answer

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

#4 Final Answer

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

#5 final answer

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

#6 Final answer

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

#7 Final answer

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

#8 Final answer

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

#9 Final answer

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

#10 Final answer