Exponential equations

Name _____ Date _____

1. $27^{x} = 81$ _____

2. $2^{x+1} = 4$ _____

3. $9^{x} = 81$ _____

4. $9^{x} = 3$ _____

5. $4^{x} = 16$ _____

6. $5^{x+1} = 3125$ _____

7. $2^{x+1} = 8$ _____

8. $3^{x-2} = 9$ _____

9. $2^{x-4} = 16$ _____

10. $4^{x} = 16$ _____

11. $4^{x} = 2$ _____

12. $2^{x+3} = 8$ _____

Exponential equations

13. $25^{x} = 5$ _____

14. $3^{x-3} = 27$ _____

15. $25^{x-2} = 5$ _____

16. $2^{x+4} = 8$ _____

17. $9^{x+1} = 243$ _____

18. $125^{x-1} = 25$ _____

19. $8^{x} = 2$ _____

20. $2^{x+2} = 32$ _____

21. $125^{x} = 25$ _____

22. $3^{x-4} = 81$ _____