Change of base

Name _____ Date _____

1. $\log_8 16 =$ ___
2. $\log_8 32 =$ ___
3. $\log_4 2 =$ ___
4. $\log_{125} 25 =$ ___
5. $\log_9 3 =$ ___
6. $\log_{16} 4 =$ ___
7. $\log_{16} 32 =$ ___
8. $\log_4 2 =$ ___
9. $\log_{16} 32 =$ ___
10. $\log_8 2 =$ ___
11. $\log_{81} 27 =$ ___
12. $\log_8 2 =$ ___
13. $\log_{81} 3 =$ ___
14. $\log_{125} 5 =$ ___
15. $\log_4 8 =$ ___
16. $\log_{125} 25 =$ ___
17. $\log_9 3 =$ ___
18. $\log_{27} 3 =$ ___
19. $\log_{125} 5 =$ ___
20. $\log_{16} 4 =$ ___
21. $\log_8 2 =$ ___
22. $\log_{16} 32 =$ ___
23. $\log_4 8 =$ ___

Change of base

24. $\log_{81} 9 =$ ___

25. $\log_{27} 3 =$ ___

26. $\log_{16} 4 =$ ___

27. $\log_{4} 2 =$ ___

28. $\log_{9} 27 =$ ___

29. $\log_{4} 2 =$ ___

30. $\log_{4} 32 =$ ___

31. $\log_{9} 243 =$ ___

32. $\log_{9} 27 =$ ___

33. $\log_{16} 2 =$ ___

34. $\log_{25} 125 =$ ___

35. $\log_{27} 81 =$ ___

36. $\log_{9} 3 =$ ___

37. $\log_{9} 243 =$ ___

38. $\log_{125} 5 =$ ___

39. $\log_{27} 9 =$ ___

40. $\log_{9} 243 =$ ___

41. $\log_{16} 8 =$ ___

42. $\log_{81} 243 =$ ___

43. $\log_{125} 25 =$ ___

44. $\log_{16} 32 =$ ___

45. $\log_{25} 5 =$ ___

46. $\log_{16} 8 =$ ___