Name:_____

1. Add these two binary numbers and then compute the equivalent decimal numbers:

	Base 10
01011101	_____
01001100	_____
_____ =	_____

2. What are the 4 functions/parts necessary to have a computer?
   1)_____
   2)_____
   3)_____
   4)_____

3. How many Megabytes are there in a Gigabyte? _____

4. What is a transistor? _____

5. What is the significance of Von Neumann architecture?
   _____

6. What does CPU stand for? _____

7. Describe “Instruction Set”: _____
   _____

8. What are the four steps of running instructions in the CPU?
   1)_____
   2)_____
   3)_____
   4)_____

9. Describe “Pipelining”: _____
   _____

10. What does “multicore” mean? _____

11. What is the clock rate? _____

12. What is another way to describe the data path?
    _____

13. What does ROM stand for? _____

14. What does RAM stand for? _____

15. Describe a cache: _____
_____

16. What does HDD stand for? _____

17. Is an HDD a type of RAM? Why or why not?
_____

18. What does RAID stand for?_____
1) Describe RAID Level 0:_____
2) Describe RAID Level 1: _____
3) Describe RAID Level 5: _____

19. What does I/O stand for? _____

20. Name 3 kinds of I/O devices:
1)_____
2)_____
3)_____

21. What does the DMA stand for? _____

22. What is the Motherboard? _____

23. What does BIOS stand for?_____

24. What does “booting” mean? _____

25. What does OS stand for, and what does it do?
_____

26. Give an example name of an OS: _____

27. What is an API? _____

28. What is a library? _____

29. What does CLI stand for? _____

30. What does GUI stand for? _____

31. What does URL stand for? _____

32. To do inventory and compute expenses, what kind of office application would you use?

_____

33. If you wanted to write up your CV, you would use what kind of office application?

_____

34. Below is a picture of what: _____

35. Below is a picture of what: _____

36. Below is a picture of what: _____