Differences Between process and Thread in Java

1) A process is an executing program whereas the thread is a small part of a process.
2) Each process has it's own address space whereas the thread of the same process share the address space of that process.
3) In process based multitasking, more than two process can run at the same time whereas in thread - based multitasking, more than two thread can run at the same time.
4) Inter-process communication between two process is costlier than inter-thread communication
5) Context Switching between two processes is expensive and limited as compared to context switching between two threads.
6) A process is also called the heavyweight task whereas, the thread is called lightweight task.
7) Multitasking over a process is not under the control of Java whereas, the multitasking over multithreading is under the control of java.
8) Components contained by process it's own address space, global variables, signal handler's open files, child process, Accounting information on the other hand, a thread contains it's own register ~~information~~ state, Stack, program counter.