* 1. N ✓
  2. 1 ✓
  3. N2log(n) ✓
  4. X3 ✓
  5. N ✓
  6. N2+m ✓

1b.





2.

a. worst: n2 average: n2 best: n2

b. worst: size/2average: size/2 best: size/2

c. worst: log2­­­(number) average: n/2 best: number^ (1/2)