

While loops (indefinite pre-test iteration, chapter 5)

Do NOT write on this test. Record all answers on the bubble sheet. **Closed book. No notes.** Work strictly from memory. **No calculators. No time limit. Scratch paper okay.**

How many times does the body of the loop execute? (Mark 9 if 9 or more.)

- 1/10p. `int z=-4; while(--z != -8) body;`
- 2/10p. `int x=2; while(x++ > -4) body;`
- 3/10p. `int e=5; while(--e > -3) body;`
- 4/10p. `int x=-5; while(x++ >= -9) body;`
- 5/10p. `int i=3; while(++i <= 4) body;`
- 6/10p. `int b=-9; while(b++ != -13) body;`
- 7/10p. `int f=-9; while(++f < -1) body;`
- 8/10p. `int g=3; while(g-- >= -2) body;`
- 9/10p. `int g=3; while(g++ < 7) body;`
- 10/10p. `int m=1; while(++m < 9) body;`

Total points 100.

Answer Key (points per line)

1 (10).	3
2 (10).	9
3 (10).	7
4 (10).	9
5 (10).	1
6 (10).	9
7 (10).	7
8 (10).	6
9 (10).	4
10 (10).	7

Total points 100.