

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 x=-4; while(x++ <= 3) body;`

2/10p. `int w=-10; while(w-- > -13) body;`

3/10p. `int c=-6; while(c-- != 0) body;`

4/10p. `int v=7; while(--v != 1) body;`

5/10p. `int j=-2; while(--j > -7) body;`

6/10p. `int x=-1; while(--x > -5) body;`

7/10p. `int z=-1; while(z++ > -4) body;`

8/10p. `int t=-8; while(--t > -15) body;`

9/10p. `int m=2; while(--m != 1) body;`

10/10p. `int w=-2; while(++w != 7) body;`

Total points 100.

Answer Key (points per line)

1 (10).	8
2 (10).	3
3 (10).	9
4 (10).	5
5 (10).	4
6 (10).	3
7 (10).	9
8 (10).	6
9 (10).	0
10 (10).	8

Total points 100.