

Do-While loops (indefinite post-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.)

- 1/1p. `int x=-3; do body; while(++x != -1);`
- 2/1p. `int c=-9; do body; while(c-- != -10);`
- 3/1p. `int s=-8; do body; while(s-- >= -8);`
- 4/1p. `int m=5; do body; while(m++ <= 5);`
- 5/1p. `int b=9; do body; while(--b <= 12);`
- 6/1p. `int e=5; do body; while(--e > 1);`
- 7/1p. `int f=-5; do body; while(--f < -1);`
- 8/1p. `int j=3; do body; while(j++ <= 7);`
- 9/1p. `int g=1; do body; while(g-- > -2);`
- 10/1p. `int s=8; do body; while(--s > 0);`
- 11/1p. `int k=-6; do body; while(++k != 1);`
- 12/1p. `int n=-1; do body; while(--n > -7);`
- 13/1p. `int m=5; do body; while(m-- > -2);`
- 14/1p. `int k=5; do body; while(--k >= 4);`
- 15/1p. `int q=-4; do body; while(++q != -1);`
- 16/1p. `int a=-7; do body; while(a++ != -6);`
- 17/1p. `int k=2; do body; while(k-- != -1);`
- 18/1p. `int t=5; do body; while(--t != -1);`
- 19/1p. `int p=1; do body; while(++p != -4);`
- 20/1p. `int w=-3; do body; while(w-- > -7);`

Total points 20.

Answer Key (points per line)

1 (1).	2
2 (1).	2
3 (1).	2
4 (1).	2
5 (1).	9
6 (1).	4
7 (1).	9
8 (1).	6
9 (1).	4
10 (1).	8
11 (1).	7
12 (1).	6
13 (1).	8
14 (1).	2
15 (1).	3
16 (1).	2
17 (1).	4
18 (1).	6
19 (1).	9
20 (1).	5

Total points 20.