

Review for Final Exam

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 c; for(c=-5; c!=-10; ++c) body;`
- 2/10p. `int h=-9; while(++h < -8) body;`
- 3/10p. `int f=3; while(f++ <= 4) body;`
- 4/10p. `int f=-9; do body; while(++f < -7);`
- 5/10p. `int u=2; while(--u != 0) body;`
- 6/10p. `int b; for(b=4; b>=2; --b) body;`
- 7/10p. `int f; for(f=0; f<=2; ++f) body;`
- 8/10p. `int s=0; while(s-- <= 5) body;`
- 9/10p. `int z=-2; while(--z >= -8) body;`
- 10/10p. `int d=3; while(d++ != 11) body;`
- 11/10p. `int q=10; while(--q > 3) body;`
- 12/10p. `int z=4; while(++z < 7) body;`
- 13/10p. `int q=-8; do body; while(--q > -16);`
- 14/10p. `int v=8; while(v++ <= 8) body;`
- 15/10p. `int r=3; do body; while(++r < 11);`
- 16/10p. `int y=2; do body; while(y++ < 3);`
- 17/10p. `int v=4; while(v-- > 0) body;`
- 18/10p. `int g=6; do body; while(--g > -2);`
- 19/10p. `int k=7; while(k-- >= 4) body;`
- 20/10p. `int a=9; while(++a != 16) body;`
- 21/10p. `int u=-7; do body; while(u-- != -12);`
- 22/10p. `int e=3; while(e++ < 3) body;`
- 23/10p. `int q=8; do body; while(q++ <= 8);`
- 24/10p. `int d; for(d=-4; d!=-11; d--) body;`
- 25/10p. `int y=7; while(y++ <= 11) body;`
- 26/10p. `int m; for(m=-7; m!=1; m++) body;`
- 27/10p. `int u; for(u=-5; u>=-9; --u) body;`
- 28/10p. `int r=3; do body; while(--r >= -3);`
- 29/10p. `int b=-1; while(--b > -5) body;`
- 30/10p. `int y; for(y=7; y<13; y--) body;`

Total points 300.

Answer Key (points per line)

1 (10).	9
2 (10).	0
3 (10).	2
4 (10).	2
5 (10).	1
6 (10).	3
7 (10).	3
8 (10).	9
9 (10).	6
10 (10).	8
11 (10).	6
12 (10).	2
13 (10).	8
14 (10).	1
15 (10).	8
16 (10).	2
17 (10).	4
18 (10).	8
19 (10).	4
20 (10).	6
21 (10).	6
22 (10).	0
23 (10).	2
24 (10).	7
25 (10).	5
26 (10).	8
27 (10).	5
28 (10).	7
29 (10).	3
30 (10).	9

Total points 300.