

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

Total points 300.

Answer Key (points per line)

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

Total points 300.