

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.)

- 1/1p. int w=-1; while(--w >= -8) body;
- 2/1p. int e=8; while(e-- != 11) body;
- 3/1p. int u=8; while(u++ != 12) body;
- 4/1p. int d=3; while(++d != 11) body;
- 5/1p. int j=-1; while(++j != 1) body;
- 6/1p. int x=0; while(x-- != -4) body;
- 7/1p. int h=10; while(h++ != 13) body;
- 8/1p. int h=-2; while(--h >= -6) body;
- 9/1p. int v=1; while(++v != -5) body;
- 10/1p. int x=-9; while(x-- != -9) body;
- 11/1p. int j=2; while(--j != -4) body;
- 12/1p. int e=4; while(++e != -3) body;
- 13/1p. int c=10; while(c-- > 4) body;
- 14/1p. int h=3; while(++h <= 4) body;
- 15/1p. int b=-6; while(b-- <= 0) body;
- 16/1p. int v=6; while(v++ > 3) body;
- 17/1p. int s=-10; while(++s <= -3) body;
- 18/1p. int r=6; while(r++ <= 11) body;
- 19/1p. int u=4; while(u++ >= -1) body;
- 20/1p. int y=6; while(y-- >= 5) body;

Total points 20.

Answer Key (points per line)

1 (1).	7
2 (1).	9
3 (1).	4
4 (1).	7
5 (1).	1
6 (1).	4
7 (1).	3
8 (1).	4
9 (1).	9
10 (1).	0
11 (1).	5
12 (1).	9
13 (1).	6
14 (1).	1
15 (1).	9
16 (1).	9
17 (1).	7
18 (1).	6
19 (1).	9
20 (1).	2

Total points 20.