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

Total points 20.

Answer Key (points per line)

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

Total points 20.