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

Total points 20.

Answer Key (points per line)

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

Total points 20.