

**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.)

1/10p. `int b=4; while( --b > 0 ) body;`

2/10p. `int t=10; while( --t != 3 ) body;`

3/10p. `int f=-5; while( f++ < 1 ) body;`

4/10p. `int x=3; while( x-- >= -3 ) body;`

5/10p. `int p=-1; while( ++p < 1 ) body;`

6/10p. `int t=7; while( ++t <= 15 ) body;`

7/10p. `int i=6; while( ++i != -1 ) body;`

8/10p. `int e=-1; while( e++ != 3 ) body;`

9/10p. `int m=-9; while( m-- > -11 ) body;`

10/10p. `int b=-10; while( b-- != -3 ) body;`

Total points 100.

**Answer Key** (points per line)

1 (10).	3
2 (10).	6
3 (10).	6
4 (10).	7
5 (10).	1
6 (10).	8
7 (10).	9
8 (10).	4
9 (10).	2
10 (10).	9

Total points 100.