

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 f=-2; while(f++ != 0) body;`
- 2/10p. `int m=5; while(--m != 4) body;`
- 3/10p. `int h=-7; while(--h <= -4) body;`
- 4/10p. `int n=-8; while(++n >= -15) body;`
- 5/10p. `int x=-3; while(++x != 0) body;`
- 6/10p. `int k=-7; while(k-- > -14) body;`
- 7/10p. `int c=-5; while(c++ > -8) body;`
- 8/10p. `int w=7; while(--w <= 14) body;`
- 9/10p. `int t=-3; while(++t >= -10) body;`
- 10/10p. `int w=-6; while(--w != -2) body;`

Total points 100.

Answer Key (points per line)

| | |
|----------|---|
| 1 (10). | 2 |
| 2 (10). | 0 |
| 3 (10). | 9 |
| 4 (10). | 9 |
| 5 (10). | 2 |
| 6 (10). | 7 |
| 7 (10). | 9 |
| 8 (10). | 9 |
| 9 (10). | 9 |
| 10 (10). | 9 |

Total points 100.