

For loops (definite iteration, chapter 6)

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 i; for(i=4; i>=0; i--) body;`
- 2/10p. `int v; for(v=8; v>=7; v--) body;`
- 3/10p. `int k; for(k=5; k!=11; ++k) body;`
- 4/10p. `int u; for(u=2; u!=10; ++u) body;`
- 5/10p. `int m; for(m=8; m<=7; ++m) body;`
- 6/10p. `int d; for(d=3; d>=-4; --d) body;`
- 7/10p. `int q; for(q=-3; q<-2; ++q) body;`
- 8/10p. `int d; for(d=-8; d>=-15; --d) body;`
- 9/10p. `int h; for(h=0; h>-3; h--) body;`
- 10/10p. `int q; for(q=7; q>=3; q--) body;`

Total points 100.

Answer Key (points per line)

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

Total points 100.