

**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 r; for( r=1; r!=-4; --r ) body;`

2/10p. `int x; for( x=9; x>5; x++ ) body;`

3/10p. `int x; for( x=1; x!=-3; x-- ) body;`

4/10p. `int s; for( s=-7; s!=-14; s++ ) body;`

5/10p. `int i; for( i=-10; i>=-12; i-- ) body;`

6/10p. `int f; for( f=-10; f<-3; ++f ) body;`

7/10p. `int y; for( y=-2; y!=-8; --y ) body;`

8/10p. `int j; for( j=-2; j<=0; ++j ) body;`

9/10p. `int j; for( j=-7; j>=-9; --j ) body;`

10/10p. `int a; for( a=0; a<=7; a++ ) body;`

Total points 100.

**Answer Key** (points per line)

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

Total points 100.