

**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 a; for( a=-10; a<=-6; ++a ) body;`

2/10p. `int a; for( a=-10; a>=-15; a-- ) body;`

3/10p. `int g; for( g=-10; g>=-10; g-- ) body;`

4/10p. `int d; for( d=4; d<=6; ++d ) body;`

5/10p. `int v; for( v=-4; v>=-3; --v ) body;`

6/10p. `int j; for( j=-2; j<=0; j++ ) body;`

7/10p. `int b; for( b=-5; b>=-4; --b ) body;`

8/10p. `int u; for( u=0; u!= -8; u-- ) body;`

9/10p. `int z; for( z=-5; z>-13; z-- ) body;`

10/10p. `int c; for( c=4; c!=11; ++c ) body;`

Total points 100.

**Answer Key** (points per line)

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

Total points 100.