

**Precedence + - \* / % (chapter 4)**

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.**

Precedence: What is the value of each expression? Mark (I) for error, (J) for none of the above.

- |        |               |         |         |         |         |        |        |        |        |
|--------|---------------|---------|---------|---------|---------|--------|--------|--------|--------|
| 1/1p.  | $0-4-9-0\%3$  | (A) -52 | (B) -47 | (C) -19 | (D) -13 | (E) -4 | (F) -1 | (G) 5  | (H) 98 |
| 2/1p.  | $5/2+9-5\%6$  | (A) -96 | (B) -5  | (C) 0   | (D) 1   | (E) 6  | (F) 58 | (G) 89 | (H) 97 |
| 3/1p.  | $7*6-8\%3/4$  | (A) -59 | (B) -56 | (C) -11 | (D) 0   | (E) 1  | (F) 7  | (G) 10 | (H) 17 |
| 4/1p.  | $1/0*2-6\%9$  | (A) -97 | (B) -79 | (C) -72 | (D) -45 | (E) -3 | (F) 0  | (G) 26 | (H) 57 |
| 5/1p.  | $3/0-0-8+9$   | (A) -3  | (B) 0   | (C) 3   | (D) 8   | (E) 9  | (F) 30 | (G) 86 | (H) 97 |
| 6/1p.  | $0-9+9+1+0$   | (A) -78 | (B) -70 | (C) -66 | (D) -19 | (E) 1  | (F) 43 | (G) 53 | (H) 55 |
| 7/1p.  | $9+1/8-8*2$   | (A) -79 | (B) -24 | (C) -15 | (D) -10 | (E) -7 | (F) 2  | (G) 8  | (H) 66 |
| 8/1p.  | $4\%2+5-8/8$  | (A) -78 | (B) -59 | (C) -34 | (D) -1  | (E) 0  | (F) 3  | (G) 4  | (H) 59 |
| 9/1p.  | $5-2+5+4/5$   | (A) -37 | (B) -16 | (C) -2  | (D) 2   | (E) 3  | (F) 4  | (G) 8  | (H) 14 |
| 10/1p. | $0-7+0+9+1$   | (A) -56 | (B) -36 | (C) -23 | (D) -15 | (E) 3  | (F) 5  | (G) 14 | (H) 88 |
| 11/1p. | $8/9+3+7+2$   | (A) -46 | (B) -27 | (C) -18 | (D) 0   | (E) 2  | (F) 12 | (G) 48 | (H) 90 |
| 12/1p. | $7/1\%4+3-1$  | (A) -77 | (B) -1  | (C) 1   | (D) 5   | (E) 6  | (F) 7  | (G) 9  | (H) 84 |
| 13/1p. | $1-2-1+6*1$   | (A) -97 | (B) -54 | (C) -29 | (D) -24 | (E) -8 | (F) 4  | (G) 6  | (H) 84 |
| 14/1p. | $2+9-7\%5*2$  | (A) -87 | (B) -34 | (C) -5  | (D) 4   | (E) 6  | (F) 8  | (G) 16 | (H) 18 |
| 15/1p. | $8+1*8-7\%4$  | (A) -96 | (B) 1   | (C) 7   | (D) 13  | (E) 41 | (F) 45 | (G) 57 | (H) 69 |
| 16/1p. | $2\%1-2*6+0$  | (A) -81 | (B) -12 | (C) -9  | (D) -4  | (E) -3 | (F) 0  | (G) 72 | (H) 81 |
| 17/1p. | $5/2+3*8+2$   | (A) -70 | (B) 0   | (C) 10  | (D) 14  | (E) 23 | (F) 28 | (G) 32 | (H) 50 |
| 18/1p. | $2/2+2/4*2$   | (A) -61 | (B) 0   | (C) 1   | (D) 2   | (E) 4  | (F) 44 | (G) 64 | (H) 66 |
| 19/1p. | $1\%1-4\%9*4$ | (A) -14 | (B) -8  | (C) -4  | (D) 4   | (E) 20 | (F) 28 | (G) 32 | (H) 34 |
| 20/1p. | $1/4/9/2-6$   | (A) -69 | (B) -29 | (C) -6  | (D) -5  | (E) -1 | (F) 0  | (G) 3  | (H) 14 |

Total points 20.

**Answer Key** (points per line)

1 (1).	D (-13)
2 (1).	E (6)
3 (1).	J (42)
4 (1).	I (error)
5 (1).	I (error)
6 (1).	E (1)
7 (1).	E (-7)
8 (1).	G (4)
9 (1).	G (8)
10 (1).	E (3)
11 (1).	F (12)
12 (1).	D (5)
13 (1).	F (4)
14 (1).	J (7)
15 (1).	D (13)
16 (1).	B (-12)
17 (1).	F (28)
18 (1).	C (1)
19 (1).	J (-16)
20 (1).	C (-6)

Total points 20.