

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.

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|---------|---------------|---------|---------|---------|--------|--------|--------|--------|--------|
| 1/15p. | $4-8+5+1\%$ | (A) -10 | (B) -5 | (C) -3 | (D) 0 | (E) 2 | (F) 12 | (G) 90 | (H) 96 |
| 2/15p. | $1*7*9+6/2$ | (A) -58 | (B) -50 | (C) 32 | (D) 34 | (E) 36 | (F) 44 | (G) 49 | (H) 84 |
| 3/15p. | $7*1-0*9\%$ | (A) -93 | (B) -75 | (C) -60 | (D) 1 | (E) 7 | (F) 53 | (G) 65 | (H) 71 |
| 4/15p. | $9-9*0/9*4$ | (A) -75 | (B) -46 | (C) 0 | (D) 4 | (E) 9 | (F) 18 | (G) 36 | (H) 88 |
| 5/15p. | $3-1-1/9+3$ | (A) -61 | (B) -35 | (C) -18 | (D) -1 | (E) 2 | (F) 3 | (G) 5 | (H) 6 |
| 6/15p. | $8+5+9-8/5$ | (A) 2 | (B) 4 | (C) 6 | (D) 9 | (E) 13 | (F) 21 | (G) 34 | (H) 71 |
| 7/15p. | $4*8*8\%9\%$ | (A) -58 | (B) -55 | (C) 1 | (D) 4 | (E) 33 | (F) 46 | (G) 64 | (H) 69 |
| 8/15p. | $4-4\%3+8/5$ | (A) -34 | (B) -1 | (C) 0 | (D) 1 | (E) 2 | (F) 3 | (G) 4 | (H) 97 |
| 9/15p. | $6-5+4\%2+4$ | (A) -66 | (B) -19 | (C) -3 | (D) 3 | (E) 5 | (F) 14 | (G) 73 | (H) 97 |
| 10/15p. | $3-9-4*3/4$ | (A) -9 | (B) -8 | (C) -6 | (D) -2 | (E) 0 | (F) 1 | (G) 3 | (H) 4 |
| 11/15p. | $4\%7*4\%4-7$ | (A) -93 | (B) -45 | (C) -10 | (D) -8 | (E) -7 | (F) -3 | (G) -2 | (H) 0 |
| 12/15p. | $2-0/2-6-1$ | (A) -6 | (B) -5 | (C) -4 | (D) -2 | (E) 1 | (F) 2 | (G) 3 | (H) 7 |
| 13/15p. | $1\%7/2\%5+6$ | (A) -96 | (B) -53 | (C) -38 | (D) 1 | (E) 6 | (F) 7 | (G) 63 | (H) 84 |
| 14/15p. | $2-6\%9-8+0$ | (A) -12 | (B) 0 | (C) 2 | (D) 4 | (E) 10 | (F) 21 | (G) 43 | (H) 47 |
| 15/15p. | $7/0-3\%4*7$ | (A) -53 | (B) -21 | (C) -3 | (D) -1 | (E) 1 | (F) 7 | (G) 21 | (H) 25 |
| 16/15p. | $5*0/6-8+6$ | (A) -70 | (B) -14 | (C) -10 | (D) -2 | (E) 0 | (F) 6 | (G) 30 | (H) 86 |
| 17/15p. | $1/0+7-1+9$ | (A) -55 | (B) -31 | (C) -26 | (D) 0 | (E) 8 | (F) 9 | (G) 10 | (H) 84 |
| 18/15p. | $3-3*6-7-0$ | (A) -61 | (B) -40 | (C) -8 | (D) -7 | (E) 0 | (F) 2 | (G) 6 | (H) 65 |
| 19/15p. | $6+5-3-1/6$ | (A) -82 | (B) -6 | (C) 1 | (D) 6 | (E) 8 | (F) 11 | (G) 67 | (H) 78 |
| 20/15p. | $6*7+7+6/3$ | (A) -33 | (B) 18 | (C) 30 | (D) 46 | (E) 51 | (F) 66 | (G) 86 | (H) 96 |

Total points 300.

Answer Key (points per line)

1 (15).	E (2)
2 (15).	J (66)
3 (15).	E (7)
4 (15).	E (9)
5 (15).	G (5)
6 (15).	F (21)
7 (15).	C (1)
8 (15).	G (4)
9 (15).	E (5)
10 (15).	A (-9)
11 (15).	E (-7)
12 (15).	B (-5)
13 (15).	E (6)
14 (15).	A (-12)
15 (15).	I (error)
16 (15).	D (-2)
17 (15).	I (error)
18 (15).	J (-22)
19 (15).	E (8)
20 (15).	E (51)

Total points 300.