

Name: _____

Date: _____

Order of Operations

1. What is the acronym for the order of operations?
 - a. DASEFX
 - b. PEMDAS
 - c. PDIDDY
 - d. SINCOS
2. If you weren't allowed to use your calculator, which part of the following expression would you calculate first? $(8+5 \cdot 2) \times 8$
 - a. $8+5$
 - b. $5 \cdot 2$
 - c. $2 \cdot 8$
3. If you weren't allowed to use your calculator, which part of the following expression would you calculate first? $(4+6) + 9 \cdot 5$
 - a. $(4+6)$
 - b. $6+9$
 - c. $9 \cdot 5$
4. Simplify:
 $4^2 - (-4) - (3^3 - 20)$
 - a. 23
 - b. 31
 - c. -13
 - d. none of these
5. Simplify.
 $3^3 - 2(6-11) + -12$
 - a. 26
 - b. 25
 - c. 35
 - d. 5

6. Simplify:

$$9/7 - 3/7 \times 5/2$$

- a. $3/14$
- b. $6/9$
- c. $3/5$
- d. $4/4$

7. Use the correct order of operations to evaluate the following expression for $a=2$.

$$a + (6 \times 8) - (1 \times a)$$

- a. -60
- b. 46
- c. 48
- d. 62

8. Simplify: $2 + 4 \cdot 6 \div 3 - 5$

9. Simplify: $5 + 15 \div (3 + 2)$

10. Solve using correct order of operations:

$$12 \cdot 1 + 2 - 2 + 40 \div 2^2 + 8$$