

# Order of Operations (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$(6 + 5 - 4) \times (3^2 \div 9)^2$$

$$(2^3 \times (7 - 5)^3) \div 8 + 10$$

$$(2 \times (4 + 5 - 9)^3) \div 7$$

$$(2^2 \div 4)^2 \times 9 - 7 + 3$$

$$(10 - 6) \div 2 + 4^2 \times (9 - 7)$$

$$(8 - 2^3) \div 3 \times 10 + 7 - 5$$

# Order of Operations (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & (6 + 5 - 4) \times (3^2 \div 9)^2 \\ &= (11 - 4) \times (3^2 \div 9)^2 \\ &= 7 \times (3^2 \div 9)^2 \\ &= 7 \times (9 \div 9)^2 \\ &= 7 \times 1^2 \\ &= 7 \times 1 \\ &= 7 \end{aligned}$$

$$\begin{aligned} & (2^3 \times (7 - 5)^3) \div 8 + 10 \\ &= (2^3 \times 2^3) \div 8 + 10 \\ &= (8 \times 2^3) \div 8 + 10 \\ &= (8 \times 8) \div 8 + 10 \\ &= 64 \div 8 + 10 \\ &= 8 + 10 \\ &= 18 \end{aligned}$$

$$\begin{aligned} & (2 \times (4 + 5 - 9)^3) \div 7 \\ &= (2 \times (9 - 9)^3) \div 7 \\ &= (2 \times 0^3) \div 7 \\ &= (2 \times 0)^3 \div 7 \\ &= 0^3 \div 7 \\ &= 0 \div 7 \\ &= 0 \end{aligned}$$

$$\begin{aligned} & (2^2 \div 4)^2 \times 9 - 7 + 3 \\ &= (4 \div 4)^2 \times 9 - 7 + 3 \\ &= 1^2 \times 9 - 7 + 3 \\ &= 1 \times 9 - 7 + 3 \\ &= 9 - 7 + 3 \\ &= 2 + 3 \\ &= 5 \end{aligned}$$

$$\begin{aligned} & (10 - 6) \div 2 + 4^2 \times (9 - 7) \\ &= 4 \div 2 + 4^2 \times (9 - 7) \\ &= 4 \div 2 + 4^2 \times 2 \\ &= 4 \div 2 + 16 \times 2 \\ &= 2 + 16 \times 2 \\ &= 2 + 32 \\ &= 34 \end{aligned}$$

$$\begin{aligned} & (8 - 2^3) \div 3 \times 10 + 7 - 5 \\ &= (8 - 8) \div 3 \times 10 + 7 - 5 \\ &= 0 \div 3 \times 10 + 7 - 5 \\ &= 0 \times 10 + 7 - 5 \\ &= 0 + 7 - 5 \\ &= 7 - 5 \\ &= 2 \end{aligned}$$