

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

## Order of Operations - GEMS

Sheet 3

Solve

1)  $\{5^2 + [(6 \cdot 3 - 8) \cdot (4^3 - 7)] + 14\} \div 7$

Ans =

2)  $[7 \cdot (31 - 3^4)] \div (30 + 8^2 \cdot 5)$

Ans =

3)  $[8 \cdot (4^2 - 7) \cdot (2^4 - 6)$

Ans =

$(4 + 3^2) \cdot 3 - 6\}^3$

5)  $6 \cdot \{[4 \cdot (15 \cdot 2 + 7 -$

Ans =

$2^3 \cdot 6] - 13\}^2 \div 11^2$

7)  $\{[(19 + 1)^5 \div 10^4] +$

Ans =

$(3 - 12)] - 7 \cdot 6\} + 2^2$

Ans =

9)  $\{4^5 \div [30 - (5 \cdot 2 + 4)] \cdot (2^3 + 5 - 1)\} \div 6$

Ans =

10)  $90 \div \{[2 \cdot (3 - 4^4) + 5^3 \cdot 4] + 15\}$

Ans =

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## Answer Key

### Order of Operations - GEMS

Sheet 3

Solve

1)  $\{5^2 + [(6 \cdot 3 - 8) \cdot (4^3 - 7)] + 14\} \div 7$

Ans = **87**

2)  $[7 \cdot (31 - 3^4)] \div (30 + 8^2 \cdot 5)$

Ans = **-1**

3)  $[8 \cdot (4^2 - 7) \cdot (2^4 - 6)]$

Ans = **1**

$(4 + 3^2) \cdot 3 - 6\}^3$

5)  $6 \cdot \{[4 \cdot (15 \cdot 2 + 7) -$

Ans = **60**

$2^3 \cdot 6] - 13\}^2 \div 11^2$

7)  $\{[(19 + 1)^5 \div 10^4] +$

Ans = **666**

$(3 - 12)] - 7 \cdot 6\} + 2^2$

Ans = **-35**

9)  $\{4^5 \div [30 - (5 \cdot 2 + 4)] \cdot (2^3 + 5 - 1)\} \div 6$

Ans = **128**

10)  $90 \div \{[2 \cdot (3 - 4^4) + 5^3 \cdot 4] + 15\}$

Ans = **10**

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