Name: _____ / Date: _____

## Review: Order of Operations

1. a) Add the same numbers two ways. Do the addition in brackets first.

   i. $(4 + 6) + 5$ $\qquad$ $4 + (6 + 5)$

   $= \_\_\_\_\_ + 5$ $\qquad$ $= 4 + \_\_\_\_\_$

   $= \_\_\_\_\_$ $\qquad$ $= \_\_\_\_\_$

   b) Does the answer change depending on which addition you do first? _____

2. a) Subtract the same numbers two ways. Do the subtraction in brackets first.

   i. $(7 - 4) - 2$ $\qquad$ $7 - (4 - 2)$

   $= \_\_\_\_\_ - \_\_\_\_\_$ $\qquad$ $= \_\_\_\_\_ - \_\_\_\_\_$

   $= \_\_\_\_\_$ $\qquad$ $= \_\_\_\_\_$

   b) Does the answer change depending on which subtraction you do first? _____

3. Add or subtract from left to right.

   a) $7 + 3 - 2$

   $= 10 - 2$

   $= \_\_\_\_\_$

   b) $7 - 3 + 2$ $\qquad$ c) $8 + 4 + 2$

4. Multiply and divide from left to right.

   a) $4 \times 3 \div 6$ $\qquad$ b) $8 \div 2 \times 5$ $\qquad$ c) $10 \times 2 \times 3$

5. Circle the operation you would do first.

   a) $3 + 4 \times 2$ $\qquad$ b) $10 - 3 + 4$ $\qquad$ c) $8 + 2 \div 2$ $\qquad$ d) $12 - 6 \div 3$

   e) $8 \div 4 \times 3$ $\qquad$ f) $8 - 2 \times 3$ $\qquad$ g) $7 + 3 - 4$ $\qquad$ h) $8 \times 3 - 4$

6. Which operation is done first?

   a) $7 + 4 - 3$

   $= 11 - 3$

   $= \_\_\_\_\_$

   b) $6 + 4 \div 2$

   $= 6 + 2$

   $= \_\_\_\_\_$

   c) $10 \div 2 + 3$

   $= \_\_\_\_\_$

   $= \_\_\_\_$

   d) $12 \div 3 \times 2$

   $= \_\_\_\_\_$

   $= \_\_\_\_\_$

7. Do the operations in brackets first. Then write the answer.

   a) $10 + (4 \times 2)$

   $= 10 + 8$

   $= 18$

   b) $(10 + 4) \times 2$ $\qquad$ c) $(10 + 4) \div 2$

8. Do the operations one at a time, in standard order according to the "order of operations".

   a) $10 \div 2 \times (5 - 2)$

   $= 10 \div 2 \times 3$

   $= 5 \times 3$

   $= 15$

   b) $(9 + 12) \div 3 \times 2$

   $= \_\_\_\_\_$

   $= \_\_\_\_\_$

   $= \_\_\_\_\_$

   c) $(13 - 3) \div (7 - 2)$

   $= \_\_\_\_\_$

   $= \_\_\_\_\_$

   $= \_\_\_\_\_$