## Simplifying Expressions

When an expression contains more than one operation, parentheses () can be used to show which computation should be done. Parentheses are one type of grouping symbol.

Do the computation inside the parentheses first.
Evaluate $(2+8) \times 3$.


Some expressions contain more than one set of parentheses.
Do the computation inside each pair of parentheses first.
Evaluate $(4+9)-(30 \div 5)$.


After you solve the computations inside the parentheses, use the order of operations to choose which computation to solve next:

Exponents
Multiplication and division from left to right
Addition and subtraction from left to right

1. $(16+4) \div 10$
2. $(16 \div 4)+(10-3)$
3. $8^{2} \div(2 \times 4)$
4. $27-(5 \times 3)$
5. $(4 \times 6) \div 6+6$
6. $(36 \div 6) \times 2^{2}$
7. Evaluate $11 \times(8-n)$ for $n=4$. $\qquad$
