

# DO NOW

Evaluate the following:

1)  $-18 + 26$

2)  $13 + (-22)$

3)  $-34 - 5$

4)  $-46 - (31)$

**1.2**

## **Order of Operations**

# Objective

To SIMPLIFY expressions using the order of operations

**Simplify** the following using the order of operations:

- 1)  $6 + 5(8 - 2)$
- 2)  $2 + 3 \cdot 5^2$
- 3)  $16 \div 2 \cdot 4$
- 4)  $10 - 3 + 2 \cdot 4$

**Parenthesis**

1)  $6 + 5(8 - 2)$

**Exponents**

2)  $2 + 3 \cdot 5^2$

**Multiply/Divide**

3)  $16 \div 2 \cdot 4$

**Add/Subtract**

4)  $10 - 3 + 2 \cdot 4$

**Brackets**

5)  $18 - [52 \div (7 + 6)]$

**Fractions**

6) 
$$\frac{8 \cdot 5 + 2 \cdot 7}{2(7 - 4)}$$

7)  $(4 + 3 \cdot 6)2 - 10$

9)  $8 - 36 \div 4 + 5$

8)  $24 - 2[18 \div (5 + 1)]$

10) 
$$\frac{8 + 5 \cdot 4}{10 - 6}$$