

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Solve.

a.  $9 - (6 + 3) = \underline{\hspace{2cm}}$

b.  $(9 - 6) + 3 = \underline{\hspace{2cm}}$

c.  $\underline{\hspace{2cm}} = 14 - (4 + 2)$

d.  $\underline{\hspace{2cm}} = (14 - 4) + 2$

e.  $\underline{\hspace{2cm}} = (4 + 3) \times 6$

f.  $\underline{\hspace{2cm}} = 4 + (3 \times 6)$

g.  $(18 \div 3) + 6 = \underline{\hspace{2cm}}$

h.  $18 \div (3 + 6) = \underline{\hspace{2cm}}$

2. Use parentheses to make the equations true.

a.  $14 - 8 + 2 = 4$

b.  $14 - 8 + 2 = 8$

c.  $2 + 4 \times 7 = 30$

d.  $2 + 4 \times 7 = 42$

g.  $12 = 18 \div 3 \times 2$

h.  $3 = 18 \div 3 \times 2$

e.  $5 = 50 \div 5 \times 2$

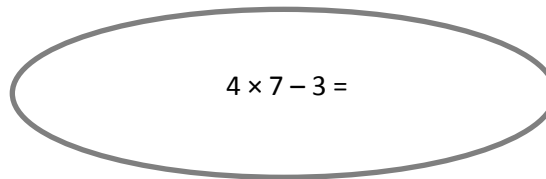
f.  $20 = 50 \div 5 \times 2$

3. Determine if the equation is true or false.

a. $(15 - 3) \div 2 = 6$	Example: True
b. $(10 - 7) \times 6 = 18$	
c. $(35 - 7) \div 4 = 8$	
d. $28 = 4 \times (20 - 13)$	
e. $35 = (22 - 8) \div 5$	

4. Jerome finds that  $(3 \times 6) \div 2$  and  $18 \div 2$  are equal. Explain why this is true.

5. Place parentheses in the equation below so that you solve by finding the difference between 28 and 3. Find the answer.



$$4 \times 7 - 3 =$$

6. Johnny says that the answer to  $2 \times 6 \div 3$  is 4 no matter where the parentheses are. Do you agree? Place parentheses around different numbers to show his thinking.