Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_ Block\_\_\_\_\_\_\_\_

8.1 Classwork

**Solve each expression using order of operations. Make sure you show all work for each problem.**

1. $4^{2}∙6÷2^{3}$ 2. 

3. $\frac{9+(4∙3)}{7}$ 4. $2^{2}∙\left(5-3\right)+4∙3÷6$

5. $8^{2}÷4+(6∙1.5)^{2}$ 6. $14÷\frac{1}{2}+3∙5(2^{3}÷4)$

7. $4+3∙\left(5+6\right)-\frac{12}{2}$ 8. 

9.$\frac{20+16÷4}{18÷9∙3}$ 10. $[-3(9-7)^{2}+7]$

**11. Which of the following expression is equal to 21?**

a.  b.  c.  d. 

**12. Which of the following expression is equal to 9?**

a.  b.  c.  d. $\frac{3∙3}{9∙2}$