

Topic 1.1
Expressions and Formulas
Homework

Name: _____

Date: _____

Use the Order of Operations to evaluate each expression. Show All Work

1. $6 - 10 \cdot -3$

2. $3(4 + 7) - 15$

3. $2^3 \cdot 3 + 5 - 8$

4. $\frac{25 + 10}{7}$

5. $-5(8 - 10)^3 + 15 \div -3$

6. $-6[3(2 + 1)^2 + 9 \cdot -1] + 3 \cdot 4$

Evaluate each expression if $r = 4$, $s = -3$, $t = 1$, $u = 2$ and $v = 5$. Show All Work

7. $rs - tv$

8. $3u^2 - 2v + 4r$

9. $\frac{-2rs^2t}{7u - v}$

10. $-7t[3s - (6u + 5v) + r^2] + 3t - 4u^3$