Show all work and answers on separate paper. Work must be shown to receive credit.

**Answer the question.**

1) Assume a is positive, b is negative, and c is positive for the expression 
   $a \cdot b^3 \cdot c$
   Tell whether the value of the given expression is positive, negative or cannot be determined.

**Decide whether the statement is an example of the commutative, associative, identity, inverse, or distributive property.**

2) $(9 + 4) + 4 = (4 + 9) + 4$

3) $7(2f) - 7(8g) = 7(2f - 8g)$

4) $\left(\frac{4}{3}\right) \left(\frac{3}{4}\right) = 1$

5) $(8 \cdot 4) \cdot 6 = 8 \cdot (4 \cdot 6)$

6) $3 + (-3) = 0$

7) $\frac{2}{3} \cdot \frac{5}{5} = \frac{10}{15}$

**Identify the group of terms as like or unlike.**

8) $9v^3, -11v^5$

**Simplify the expression.**

9) $-5(-5t + 6) - (3t + 7) - 3t + 13$

10) $-\frac{4}{5}(z - 10) - \frac{1}{10}z$
Answer Key
Testname: 1.7-1.8 HO

1) Negative
2) Commutative
3) Distributive
4) Inverse
5) Associative
6) Inverse
7) Answer Choice
8) Unlike
9) 19t - 24
10) $-\frac{9}{10}z + 8$