

Name Key  
Mrs. Roumbos

Date \_\_\_\_\_  
8A Period \_\_\_\_\_

Do Now

1) The number 0.23223222322223... is rational or irrational?

Irrational b/c the decimal is not repeating & you can't assume the pattern is going to repeat

2) Order these numbers from least to greatest

on TH #1  
 $\pi, -2.5, 10, \sqrt{6}, -\frac{2}{3}, -\frac{3}{7}$

must be OO form

must have  
 $\pi \approx 3.14$   
 $-2.5 = -2.50$   
 $10 = 10.00$   
 $\sqrt{6} \approx 2.45$   
 $-\frac{2}{3} \approx -0.66$   
 $-\frac{3}{7} \approx -0.43$

$-2.5, -\frac{2}{3}, -\frac{3}{7}, \sqrt{6}, \pi, 10$

3) Given the following algebraic expression, fill in the blanks with the appropriate property that was used to simplify the expression.

on Test #1  
 $5(x+3) - 5(x-6)$

$5x + 15 - 5x + 30$

$5x - 5x + 15 + 30$

$0 + 15 + 30$

$45$

app + inverses produce identity

Dist. Prop.

Comm Prop. of Add

Additive Inverse prop.