

We will review more factoring options before the quiz. Copy these 4 problems in your notebook. We will FACTOR all of these.

**Factoring by Grouping**

$x^3 - 7x^2 + 3x - 21$ $x^2(x-7) + 3(x-7)$ $(x-7)(x^2+3)$	$x^2 - 10x + 16$ <div style="float: right; text-align: right;">                 F 16                  A -10                  -2, -8             </div> $(x^2-2x)(8x+16)$ $x(x-2)-8(x-2)$ $(x-8)(x-2)$
$x^3 + x^2 - 9x - 9$ $x^2(x+1) - 9(x+1)$	$x^4 - 5x^3 + 2x - 10$

What's different about these?  
 Which one looks familiar?  
 How would you begin to factor?

$(x+1)(x^2-9)$   
 $(x+1)(x-3)(x+3)$

$(x^3+2)(x-5)$   
 $x^3(x-5) + 2(x-5)$   
 $(x-5)(x^3+2)$

Aug 29-11:17 AM



## GO COUGARS!

Pls put your cell phone in the correct pocket on the wall.

**Warm Up Quiz = 10 questions = 20 points**

**This quiz is in a Google Form posted in Google Classroom.**

You will need scratch paper and pencil. Turn in scratch paper when you are done.

**NO CALCULATOR**

After the quiz work on you assignment in the green workbook.

pg. 67 #1-12, (skip 3, 5, 6, 11)

*Good Luck!*

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GO COUGARS!

## Homework

Resource Book pg. 67  
#1-12, (skip 3, 5, 6, 11)

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## SAT Questions

Oct 3-12:39 PM



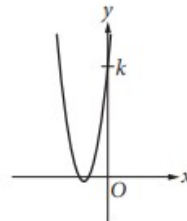
## WARM UP - SAT PRACTICE

1. If  $(ax + 2)(bx + 7) = 15x^2 + cx + 14$  for all values of  $x$ , and  $a + b = 8$ , what are the two possible values for  $c$  ?

A) 3 and 5  
B) 6 and 35  
C) 10 and 21  
D) 31 and 41

3.

If  $u + t = 5$  and  $u - t = 2$ , what is the value of  $(u - t)(u^2 - t^2)$  ?



2. The graph of  $y = 2x^2 + 10x + 12$  is shown. If the graph crosses the  $y$ -axis at the point  $(0, k)$ , what is the value of  $k$  ?
- A) 2  
B) 6  
C) 10  
D) 12

Oct 3-5:42 PM