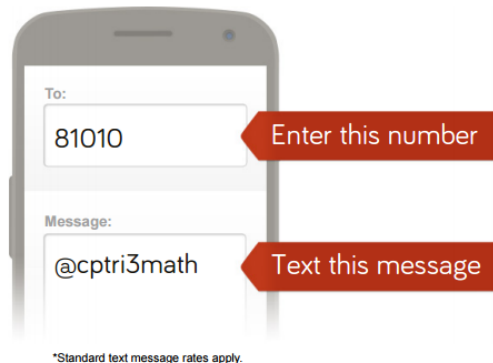


# -Remind Texts

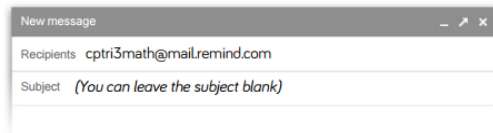
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# -Updated Email

Section 5.2A

A friend of yours is getting ready to start a unit where they will need to be able to factor a variety of quadratic equations.

## FACTORING! page 9

As you work through the problems below, identify the key characteristics of the expression that give you clue to how to factor it. Record the key characteristics, the factoring method and factor completely.

#1 look for GCF  
\*if neg. in front the GCF is neg.

1)  $-12x^2 + 14x$   $GCF = -2x$   
 $-2x(6x - 7)$

2)  $x^2 - 81$   $GCF = 1$   
 $(x + 9)(x - 9)$

3)  $x^2 + 14x + 49$   $GCF = 1$   
 $(x + 7)(x + 7)$

4)  $x^2 + 11x + 24$   $GCF = 1$   
 $(x + 3)(x + 8)$

5)  $2x^2 - 13x + 15$   $GCF = 1$   
 $(2x - 5)(x - 3)$   
 $(2x - 3)(x - 5)$   
 $2x^2 - 10x - 3x + 15$

6)  $6x^2 - 15x - 36$   $GCF = 3$   
 $3(2x^2 - 5x - 12)$   
 $3(2x + 3)(x - 4)$

7) Your friend also needs a reminder about how to find the x-intercepts once an equation is in factored form. Use  $x^2 + 11x + 24$ , from problem 4) above to help you explain your method.

$(x + 8)(x + 3)$   
 $x + 8 = 0$   $x + 3 = 0$   
 $x = -8$   $x = -3$   
 $(-8, 0)$   $(-3, 0)$

Graph showing x-axis and "zeros" at  $x = -8$  and  $x = -3$ .

# BOOK HOMEWORK:

5.2A  
#1-33 odd  
(P-9)

## -1st Day Homework

- Info Sheet (filled out and signed)
- Book (\$7)
- Calculator (TI Rewards points)

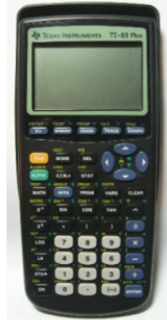


# NEED A GRAPHING CALCULATOR????

USED CALCULATORS FOR SALE!



TI-83 \$30



TI-83 Plus \$35  
more applications



TI-84 Plus \$60  
more memory and  
applications



TI-84 Plus C \$80  
more memory,  
applications, AND color