

NC SAT Bell work
Tuesday 09/04

What are the solutions of the
quadratic equation: $4x^2 - 8x - 12 = 0$?

a) $x = -1$ and $x = -3$

b) $x = -1$ and $x = 3$

c) $x = 1$ and $x = -3$

d) $x = 1$ and $x = 3$

Write down the question
& show your work

Set up your page like this:

Bellwork week 2: 9/04 to 9/07	
Name: _____	
MONDAY	Write down the question Underline after each day
TUESDAY	Write down the question Underline after each day
WEDNESDAY	

Factor by GCF

$$4(x^2 - 2x - 3) = 0$$

X-method

$$\begin{array}{r} 1 \quad -3 \\ \times \quad -3 \\ \hline -2 \end{array}$$

$$(x+1)(x-3) = 0$$

$$x+1=0$$

$$x = -1$$

$$x-3=0$$

$$x = 3$$

choice B.

Or work by plugging in $x = 1$
→ eliminating c and d
then plugging in 3
and choosing b