























Warm Up 1.2.1_Day 2 Multiply the following polynomial factors: a proportial times a binomial x(x-7) $\sqrt{2} - 7 \times$ a monomial times a binomial $2y^2(5y+4)$ $10y^{3} + 8y^{2}$















(9)
$$3x^{2} - 2x - 5 = 0$$
 $0 = 3$ $b = -2$ $C = -5$
 $\chi = \frac{-(2) \pm \sqrt{(-2)^{2} - 4(3)(-5)}}{2(3)} = \frac{2 \pm \sqrt{64}}{6} = \frac{2 \pm 8}{6}$
 $\therefore \chi = \frac{2 + 8}{6}$ and $\chi = \frac{2 - 8}{6}$
 $= \frac{10}{6}$ $\chi = -\frac{6}{6}$
 $= (-1)$











Cut Out Length(cm)	Volume (cm³)	
X	3	
0	0	
١	280	
2	432	
3	480	
ч	448	
5	360	
6	240	
Г	112	
8	0	



Next step:

Next to your table, set up a <u>graph</u> and plot the points











With your partner or group, caculate an expression for the VOLUME.

× 72-2× 16-27

× 22-2× 16-2× $V = \chi (22 - 2\chi)(16 - 2\chi) = \chi (22 - 3\chi)(16 - 2\chi)$ = $\chi [\frac{4\chi^2 - 7\chi}{4\chi^2 - 76\chi^2 + 352}] = (22\chi - 2\chi^2)(16 - 2\chi)$ = $4\chi^3 - 76\chi^2 + 352\chi = 352\chi - 44\chi^2 + 32\chi^2 + 4\chi^2$ = $4\chi^3 - 76\chi^2 + 352\chi$

Graph using the GDC





We learn from mistakes. So, mistakes on homework and small LCQ's are not a bad thing as long as.... In a moment, I'll give each group a copy of the solutions. No cell phones out If you have not taken it, let me know www.

For the next 10 minutes

Pre-learning Check for Ch.2

- I need to see what you know, if anything, about a few upcoming items in Ch. 2
- No calculator
- Wont count against your grade, but.... if you at least try you get a free 10/10 HW

Assignment:	1 67, 70-72, 74 <mark>b,</mark> 75-76	
 <u>The First Test will be:</u> Thursday, December. 19 		

