206.2.1-02

Note, you have to use the graphical approach at least once. Do that for question A3, as it's difficult to do using the other methods.

A1: $3x^2 + 11x - 20 = 0$. The answer is x = -5, $\frac{4}{3}$. I used the **factoring** method.

A2: $x^2 + 3x - 4 = 0$. The answer is x = 1, -4. I used the **quadratic formula** method.

A3: $3x^2 - x - 1 = 0$. The answer is $x = \frac{1 \pm \sqrt{13}}{6}$. I solved it using **quadratic formula** but this is a good one to use the **graphical** method.

206.2.1-04

A: 22.8 students is unreasonable because it is a fraction, and you cannot have a fractional number of students. A more reasonable answer would be 23. This is because it is the closest whole number to 22.8.

B: A width of –12 yards is unacceptable because it is a negative number. You cannot have negative widths. A more reasonable answer would be 12 yards. This is because this value is positive.

206.2.2-02

You will have to draw these yourself either using Excel, another program or by hand. If you need help with this, let me know.

I hope this gives you a jump start with some of your maths problems. If you have any other problems let me know. Whilst every effort has been made to ensure that these answers are correct, I accept no responsibility for accidental mistakes. Enjoy!