Who, where and when? (Trial & Improvement)

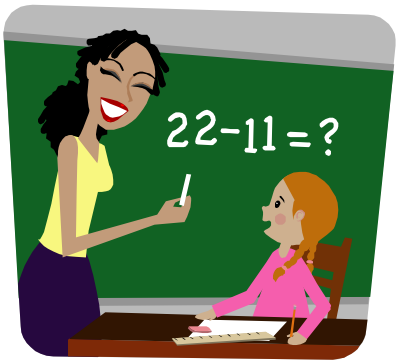
Who?

One of the following 4 people is a murderer. All of them have worked out the answers to the following questions to 1 decimal place:

Q1. $x^2 + 3x = 5$ (has an answer between 1 and 2)
Q2. $x^3 + 3x = 85$ (has an answer between 4 and 5)
Q3. $x^3 - 5x = 59$ (has an answer between 4 and 5)
Q4. $x^2 + 2x + 3 = 17$ (has an answer between 2 and 3)

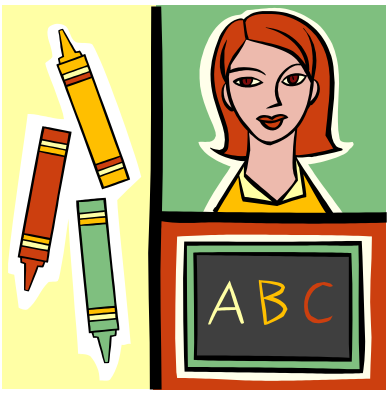
The murderer has made 3 errors. The victim has made 0 errors. The other suspects have made 1 error.

The **head teacher** says that Q1 = 1.2, Q2 = 4.2, Q3 = 4.4 and Q4 = 2.9



The **maths teacher** says Q1 = 1.2, Q2 = 4.1, Q3 = 4.4 and Q4 = 2.8

The **caretaker** says Q1 = 1.2, Q2 = 4.2, Q3 = 4.3 and Q4 = 2.8



The **English teacher** says Q1 = 1.2, Q2 = 4.2, Q3 = 4.3 and Q4 = 2.9

Where?

The murder was committed at one of the locations below, but which one?
It happened where ALL the answers are true.

Q1. $x^2 + 4x = 10$ Q2. $x^2 - 2x = 5$

Q3. $x^2 + x = 53$ Q4. $x^3 - \sqrt{x} = 114$

The maths classroom	If the answers are 1.7, 3.4, 6.8 and 4.8
The dining hall	If the answers are 1.75, 3.45, 6.75 and 4.85
The gym	If the answers are 1.7, 3.4, 6.8 and 4.9
The playing fields	If the answers are 1.7, 3.4, 6.7 and 4.8

When?

Find the day where all the facts are correct

Q1. $3x^2 - 5x = 10$ Q2. $2x^2 + 2x = 25$

Q3. $3x^2 - 2x = 11$ Q4. $3x^2 + 7x = 93$

Monday	If Q1 = 2.8 and Q2 = 3.0 and Q3 = 2.3
Tuesday	If Q2 = 3.1 and Q3 = 2.2 and Q4 = 4.6
Wednesday	If Q1 = 2.8 and Q2 = 3.1 and Q4 = 4.5
Thursday	If Q2 = 3.0 and Q3 = 2.3 and Q4 = 4.5

The Accusation

Who	
Where	
When	