

# Year 9 Review

**Question 1**

**Solve the following linear equations**



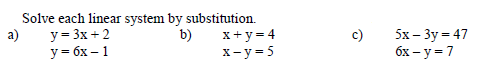
**Question 2:**

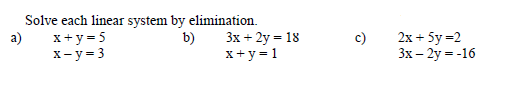
**Solve the quadratic equations**

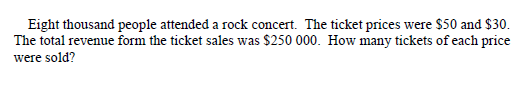
1. = 20

**Question 3:**

Solve the following simultaneous equations:



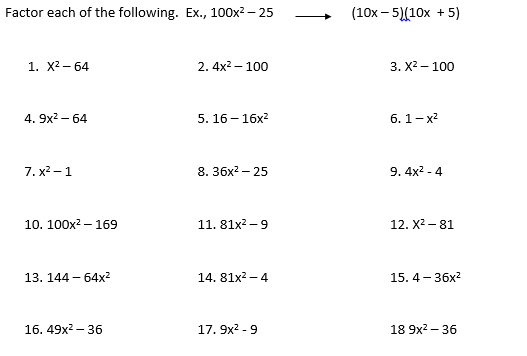




**Question 4:**

Solve the given inequalities and graph them on a number line





Word problems

1. The sum of a number and its square is 110. Find the number
2. Two number differ by 7 and the sum of their squares is 29. Find the number
3. A triangle has base 4m2 more that its height. If its area is 70cm2  find its height.