S4 National 5 Homework

1. A function is given by $f\left(x\right)=7x+3$ :
2. Find $f(3)$
3. Find $f(-4)$
4. Find $f(x+1)$ in its simplest form
5. If $\left(x\right)=87$ , find x.
6. Solve
7. 5b + 2 = 2b + 50
8. 250 + 3x = 295
9. 10x + 40 = 50x -120
10. 3x - 4 = 5x - 8
11. Solve
12. 5x + 2 > 12
13. 3y – 24 < 30
14. 2 (3 - 4h) < 13 – 15h
15. 16 – 3k < 20 + k
16. I subtract a whole number from 8 and double the answer. The result must be greater than 10. Form an inequation and solve to find the possible starting whole numbers.

Hint: Whole numbers are the numbers {0,1,2,3,4…..} There is no fractional or decimal part. And no negatives.