The questions in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed

<u>Factorising Trinomials when a=1</u>   (Non Calculator)

Factorise the following:

1. $a^2 + 6a + 8$

2. $b^2 + 11b + 30$

3. $c^2 - 8c + 12$

4. $d^2 - 13d + 40$

5. $e^2 + e - 56$

6. $f^2 - 3f - 54$

7. $g^2 + 15g + 54$

8. $h^2 + 13h - 30$

9. $j^2 - 6j - 55$

10. $3k^2 + 6k - 189$ *careful

APPLYING QUESTION

(a)   Factorise $x^2 - 16$

(b)   Hence, simplify $\dfrac{x^2 - 3x - 28}{x^2 - 16}$