3rd March

Solve the simultaneous equations

\[ \begin{align*} 2x + y &= 7 \\
3x - y &= 8 \end{align*} \]

Factorise \( x^2 - x - 12 \)

Write \( 5.2 \times 10^{-4} \) as an ordinary number

Find the \( n \)th term of
\[ 90 \quad 80 \quad 70 \quad 60 \quad \ldots \quad \ldots \]
Find the 100th term.

Solve:
\[ 3(4x - 9) = 2x + 30 \]