$z = 8 - \frac{1}{7} (3,5) (12 - 9) = 8 - \frac{1}{7} (3,5) (\frac{7}{7})$

:. $x_3 \mid x_{1} = 1$, $x_1 = 2 \sim N \left(\frac{31}{2}, 0\right)$

= 8 - (3, 5) (1) = 8 - 3 - 5 = 0