9 Solve the equation $\log_2(x+1) - 4\log_{(x+1)}2 = 3$. [5]

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10 The point P lies on the curve $y = (5x+2)^{\frac{2}{3}}$.
The x-coordinate of P is 5.
The normal to the curve at P intersects the line $x+y = 11$ at the point Q.
The point R is the reflection of Q in the tangent to the curve at P.

Find the coordinates of R. [9]

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