

(15) Solve the following logarithmic equations.
(a)
$$\ln(4) - \ln(3x + 1) = \ln(2x)$$

(b)
(c) $\frac{4}{3x+1} = \ln 2x$
(c) $\frac{4}{3x+1} = 2x$
(c) $\frac{4}{3x+1} = 2x$
(c) $\frac{4}{3x+1} = 2x$
(c) $\frac{4}{3x+2} = 3 = 10$
(c) $\frac{3x+2}{3x+2} = 2$
(c) $\frac{3x+2}{3x+2} = 2$
(c) $\frac{3x+2}{3x+2} = 2$
(c) $\frac{3x+2}{3x+2} = 2$
(c) $\frac{3x+2}{3x+2} = 2x^{2x}$
(c) \frac



$$= 3 \ln (e^{V_{3} \times} - 2 + 2)$$

= 3 ln e^{V_{3} \times}
= 3 (\frac{1}{3} \times)
= X

