

1.1: Linear Eqs & Ineqs.

1.1
1/1

ex1: $3(x-4) = 4 - 2(x+2)$

ex2: $\frac{2x}{x-3} = 4 + \frac{6}{x-3}$

Note: linear in disguise
w/ extraneous soln.

ex3: $\frac{3x}{4} - \frac{1}{3} = 1 - \frac{2}{3}(x - \frac{1}{6})$

Motivate literal eqs
w/ TVM solved for
various unknowns

ex4: solve $\frac{y-b}{x-a} = m$ for y .

ex5: $1 + 2(x-1) \geq 7x + 4$

Notations

inequality

Number line

interval.

ex6: $\frac{3x}{4} - \frac{1}{6} < x - \frac{2(x-1)}{3}$

FUNCTIONS & Graphs 1