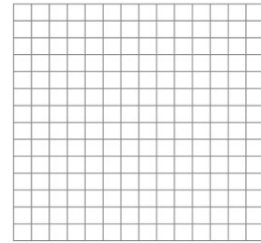


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Solve each of the following equations & inequalities: (graph the solutions for the inequalities on a number line)

3)  $\frac{7}{3}y + \frac{5}{6} = 6y + \frac{11}{2}$

7)  $.3(x+1) > 2.13(x + 1.1)$



4)  $1.2(x + 5) = 1.6(2x + 5)$

8)  $\frac{u}{5} + \frac{u}{10} - \frac{u}{6} \leq 1$



Solve for the indicated variable and state any restrictions:

10)  $\frac{x+3}{t} = t^2$  ,  $x$

15)  $\frac{4}{9}(x+3) = g$  ,  $x$

11)  $V = \frac{\pi}{3}r^2h$  ,  $r$

16)  $A = \frac{1}{2}ah - \frac{1}{2}bh$  ,  $h$

12)  $S = L(1-r)$  ,  $r$

17)  $a(x+c) = b(x-c)$  ,  $x$

13)  $Q = \frac{c+d}{2}$  ,  $d$

18)  $x - 2y = 5$  ,  $y$