**Review Test Last Week**

**Turn in Tuesday**

P114)

#22) Solve
\[ \frac{1}{2}R - \frac{7}{6} = -\frac{1}{3}R + \frac{53}{6} \]

#228) Rental: 1 BDR. $950/mo
2 BDR. $1200/mo

They have equal #

\[ \text{Total rental income} = \$53,750 \]

How many of each type are rented?

P216)

#12) Find equation of line that passes through \((-2, 6)\) and \((-4, 10)\)
P2(6) #4) Are the two lines \( L_1, L_2 \) parallel?

1. \( y + 4x = 12 \)
2. \( y = \frac{3}{4}x + 3 \)

P2(7) #19) Find the domain of \( f(x) \):

\[ f(x) = \frac{15}{12 - 2x} \]

P2(22) #22) \( g(t) = t^2 - 2t + 1 \)

Find \( g(6) \)
P3/14 #10) Solve the System
\[0.6x + 0.5y = 1.2\]
\[x - \frac{4}{3}y + \frac{5}{9} = 0\]

#(2) Mix 40% antifreeze with 80% antifreeze to make 20 gals of 50% antifreeze. How much of each type?

Hint: use \(x\) for 40% and \(20-x\) for 80% - (Box Method)
P3/5

4/5) Solve the system

\[ x + y + z = 4 \]
\[ x + y - z = 6 \]
\[ 2x - 3y + z = -1 \]