m) $4m - \frac{1}{3} = 3(m + 1)$

$4m - \frac{1}{3} = 3m + 3$

$-3m \quad -3m$

$m - \frac{1}{3} = 3$

$+\frac{1}{3} \quad +\frac{1}{3}$

$m = 3\frac{1}{3}$

L: $4(3\frac{1}{3}) - \frac{1}{3}$

$12\frac{4}{3} - \frac{1}{3}$

$12\frac{3}{3}$

13

R: $3(3\frac{1}{3}) + 1)$

$3(4\frac{1}{3})$

$12\frac{3}{3}$

13 ✓

p) $6(\frac{1}{3} + 3p) = 4p + 2$

$2 + 18p = 4p + 2$

$-4p \quad -4p$

$2 + 14p = 2$

$-2 \quad -2$

$14p = 0$

$\div 14 \quad \div 14$

$p = 0$

n) $-4n + \frac{2}{5} = -3(4 - n)$

$-4n + \frac{2}{5} = -12 - (-3n)$

$-4n + \frac{2}{5} = -12 + 3n$

$+4n \quad +4n$

$\frac{2}{5} = -12 + 7n$

$+12 \quad +12$

$12\frac{2}{5} = 7n$

$\frac{62}{5} = 7n$

$\div 7 \quad \div 7$

$\frac{62}{35} = n$

L: $-4(\frac{62}{35}) + \frac{2}{5}$

$-\frac{248}{35} + \frac{14}{35}$

$-\frac{234}{35}$

R: $-3(4 - (\frac{62}{35}))$

$-3(\frac{140}{35} - \frac{62}{35})$

$-3(\frac{78}{35})$

$-\frac{234}{35}$ ✓

ooof.

q) $\frac{2}{5} - 4q = 2(q + \frac{2}{3})$

$\frac{2}{5} - 4q = 2q + \frac{4}{3}$

$+4q \quad +4q$

$\frac{2}{5} = 6q + \frac{4}{3}$

$\frac{6}{15} = 6q + \frac{20}{15}$

$-\frac{20}{15} \quad -\frac{20}{15}$

$-\frac{14}{15} = 6q$

$\div 6 \quad \div 6$

$-\frac{14}{90} = q = -\frac{7}{45}$

o) $5 - 2Z = \frac{3}{4} + Z$

$+2Z \quad +2Z$

$5 = \frac{3}{4} + 3Z$

$-\frac{3}{4} \quad -\frac{3}{4}$

$4\frac{1}{4} = 3Z$

$\frac{17}{4} = 3Z$

$\div 3 \quad \div 3$

$\frac{17}{12} = Z$

L: $5 - 2(\frac{17}{12})$

$5 - \frac{17}{6}$

$\frac{30}{6} - \frac{17}{6}$

$\frac{13}{6}$

R: $\frac{3}{4} + (\frac{17}{12})$

$\frac{9}{12} + \frac{17}{12}$

$\frac{26}{12}$

$\frac{13}{6}$ ✓

r) $-2r - 5 = \frac{2}{3} - 4r$

$+4r \quad +4r$

$2r - 5 = \frac{2}{3}$

$+5 \quad +5$

$2r = 5\frac{2}{3}$

$2r = \frac{17}{3}$

$\div 2 \quad \div 2$

$r = \frac{17}{6} = 2\frac{5}{6}$

s) $-4(s-\frac{1}{2}) = 5s - 7$

$-4s - (-2) = 5s - 7$

$-4s + 2 = 5s - 7$

$+4s \quad +4s$

$2 = 9s - 7$

$+7 \quad +7$

$9 = 9s$

$\div 9 \quad \div 9$

$1 = s$

L	R
$-4(1-\frac{1}{2})$	$5(1)-7$
$-4(\frac{1}{2})$	$5-7$
-2	-2

t) $3t - \frac{3}{4} = -4t + 1$

$+4t \quad +4t$

$7t - \frac{3}{4} = 1$

$+\frac{3}{4} \quad +\frac{3}{4}$

$7t = 1\frac{3}{4}$

$7t = \frac{7}{4}$

$\div 7 \quad \div 7$

$t = \frac{1}{4}$

L	R
$3(\frac{1}{4})-\frac{3}{4}$	$-4(\frac{1}{4})+1$
$\frac{3}{4}-\frac{3}{4}$	$-1+1$
0	0

u) $2u - 2 = \frac{1}{2}u + 1$

$-\frac{1}{2}u \quad -\frac{1}{2}u$

$\frac{3}{2}u - 2 = 1$

$+2 \quad +2$

$\frac{3}{2}u = 3$

$\div \frac{3}{2} \quad \div \frac{3}{2}$

$u = 3 \cdot \frac{2}{3}$

$u = 2$

L	R
$2(2)-2$	$\frac{1}{2}(2)+1$
$4-2$	$1+1$
2	2

v) $\frac{2}{3}v - 1 = -2(2v - 3)$

$\frac{2}{3}v - 1 = -4v - (-6)$

$\frac{2}{3}v - 1 = -4v + 6$

$+4v \quad +4v$

$4\frac{2}{3}v - 1 = 6$

$+1 \quad +1$

$4\frac{2}{3}v = 7$

$\frac{14}{3}v = 7$

$\div \frac{14}{3} \quad \div \frac{14}{3}$

$v = \frac{1}{2} \cdot \frac{3}{14_2}$

$v = \frac{3}{2} = 1.5$

w) $-\frac{1}{3}w - 3 = \frac{1}{3}(2w + 5)$

$-\frac{1}{3}w - 3 = \frac{2}{3}w + \frac{5}{3}$

$+\frac{1}{3}w \quad +\frac{1}{3}w$

$-3 = w + \frac{5}{3}$

$-\frac{5}{3} \quad -\frac{5}{3}$

$-4\frac{2}{3} = w$

$-\frac{14}{3} = w$ or $w = -4.\overline{6}$

x) $-2(x-5) = \frac{1}{5}x - 21$

$-2x - (-10) = \frac{1}{5}x - 21$

$-2x + 10 = \frac{1}{5}x - 21$

$+2x \quad +2x$

$10 = 2\frac{1}{5}x - 21$

$+21 \quad +21$

$31 = \frac{11}{10}x$

$\div \frac{11}{10} \quad \div \frac{11}{10}$

$31 \cdot \frac{10}{11} = x$

$\frac{310}{11} = x$