Arellano Granados Angel Mariano 22/4/21

Tarea 6

1. $\left(-\dfrac{7}{2w+8} + 2 = -\dfrac{4}{w+4}\right)(w+4)$

$\quad 2(w+4)$

$-\dfrac{7}{2} + 2w + 8 = -4 - 8 + \dfrac{7}{2} = 2w = \dfrac{-17}{2} = \dfrac{-17}{4}$

$\qquad\qquad\qquad\qquad\qquad\qquad \dfrac{\frac{-17}{2}}{\frac{2}{1}}$

2. $\left(3 + \dfrac{10}{y} = \dfrac{1}{2}\right)2y = 6y + 20 = y$

$\qquad\qquad\qquad\qquad 5y = \dfrac{-20}{5} = -4$

3. $\left(-\dfrac{2}{w} = 6\right)w = -\dfrac{2}{6} = 6w \qquad w = \dfrac{-1}{3}$

4. $\left(-4 = -\dfrac{3}{y+6}\right)y+6 = -4y - 24 = -3$

$\qquad\qquad\qquad\qquad\qquad -4y = \dfrac{21}{-4}$

5. $5y = \dfrac{w}{5} \qquad g = \dfrac{w}{5}$

6. $-5v + 12 = -3(v+2)$

$\quad -5v + 12 = -3v - 6$

$\qquad -2v = \dfrac{-18}{-2} \qquad v = 9$

7. $-8y + 6(y-4) = -8$

$\quad -8y + 6y - 24 = -8 \qquad y = -8$

$\qquad\qquad -2y = \dfrac{16}{-2}$

8. $\dfrac{3x+5}{2} = -2 \qquad 3x = \dfrac{-9}{3} \qquad x = -3$

9. $\left(-\dfrac{7}{2}x + \dfrac{5}{3} = -\dfrac{1}{3}x - 3\right)6 = -21x + 10 = -2x - 18$

$-19x = \dfrac{-28}{-19} = x = \dfrac{28}{19}$

10. $\left(\dfrac{3}{b} = d - \dfrac{5}{c}\right)bc = 3c = dbc - 5b$

$3c - dbc = -5b$

$c(3 - db) = \dfrac{-5b}{(3-db)}$