

26/03/20

$$63) \boxed{-2(x-1)} + 2 = \boxed{-(x-1)} - 1$$

$$-2x + 2 + 2 = -x + 1 - 1$$

$$-2x + x = 1 - 1 - 2 - 2$$

$$\textcircled{-1}x = -4$$

$$x = \frac{-4}{-1}$$

$$x = 4$$

$$64) \boxed{-1(x+3)} = \boxed{2(6+x)}$$

$$-x - 3 = 12 + 2x$$

$$-x - 2x = 12 + 3$$

$$\textcircled{-3}x = 15$$

$$x = \frac{15}{-3}$$

$$x = -5$$

$$65) \boxed{(2x+1)} = 8 \boxed{-(3x-3)}$$

$$2x + 1 = 8 - 3x + 3$$

$$2x + 3x = 8 + 3 - 1$$

$$\textcircled{5}x = 10$$

$$x = \frac{10}{5}$$

$$x = 2$$

$$66) \boxed{2(x-7)} = \boxed{-3(x-1)} + 2x - 2$$

$$2x - 14 = -3x + 3 + 2x - 2$$

$$2x + 3x - 2x = 3 - 2 + 14$$

$$\textcircled{3} x = 15$$

$$x = \frac{15}{3}$$

$$x = 5$$

$$67) 5x = 8(5x - 3) - 4$$

$$5x = 40x - 24 - 4$$

$$5x - 40x = -24 - 4$$

$$\textcircled{-35} x = -28$$

$$x = \frac{-28}{-35}$$

$$x = \frac{4}{5}$$

Hacer 68 y 69

$$68) 2(x - 6) = 3x - 19$$

$$2x - 12 = 3x - 19$$

$$2x - 3x = -19 + 12$$

$$\textcircled{-1} x = -7$$

$$x = \frac{-7}{-1}$$

$$x = 7$$

$$69) 5 + 5(x - 13) = x$$

$$5 + 5x - 65 = x$$

$$5x - x = -5 + 65$$

$$\textcircled{4} x = 60$$

$$x = \frac{60}{4} = 15$$

$$x = 15$$

Hacer 70 y 71.

$$70) x - 2 = \boxed{-3(4 - 2x)}$$

$$x - 2 = -12 + 6x$$

$$x - 6x = -12 + 2$$

$$-5x = -10$$

$$x = \frac{-10}{-5}$$

$$x = 2$$

$$71) \boxed{2(9x - 49)} = 15x + 10$$

$$18x - 98 = 15x + 10$$

$$18x - 15x = 10 + 98$$

$$3x = 108$$

$$x = \frac{108}{3}$$

$$x = 36$$

---

Hacer 72 y 73

---

$$72) 120 = 2x \boxed{- (15 - 7x)}$$

$$120 = 2x - 15 + 7x$$

$$120 + 15 = 2x + 7x$$

$$135 = 9x$$

$$\frac{135}{9} = x$$

$$x = 15$$

$$73) 21x + 1 = 3(3 + x)$$

$$21x + 1 = 9 + 3x$$

$$21x - 3x = 9 - 1$$

$$18x = 8$$

$$x = \frac{8}{18}$$

$$x = \frac{4}{9}$$

Hacer 74 y 75

$$74) 15(x - 1) + 20(x + 1) = 75$$

$$15x - 15 + 20x + 20 = 75$$

$$25x + 20x = 75 + 15 - 20$$

$$35x = 70$$

$$x = \frac{70}{35}$$

$$x = 2$$

Deberes: de la 75 a la 79

8)  
-2

11