

1º A

¡Cuidado!

02/04/20

$$43) \frac{x+4}{5} - \frac{x+3}{4} = \frac{x+1}{2}$$

$$m.c.m(5,4,2) = 20$$

$$\frac{4(x+4)}{20} - \frac{5(x+3)}{20} = \frac{20}{20} - \frac{10(x+1)}{20}$$

Simplificamos  
(-) denominadores

$$4(x+4) - 5(x+3) = 20 - 10(x+1)$$

$$4x + 16 - 5x - 15 = 20 - 10x - 10$$

$$4x - 5x + 10x = 20 - 10 - 16 + 15$$

$$9x = 9$$

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

$$x = 1$$

$$44) \frac{2x-3}{2} - \frac{4x-1}{2} = \frac{6x-2}{6}$$

$$m.c.m(2,6) = 6$$

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

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$$3(2x-3) - 3(4x-1) = 6x-2$$

$$6x - 9 - 12x + 3 = 6x - 2$$

$$6x - 12x - 6x = -2 + 9 - 3$$

$$-12x = 4$$

$$x = \frac{4}{-12}$$

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

$$45) \frac{2(x-1)}{9} - \frac{6-2x}{3} = 1 \frac{1}{1}$$

¡Cuidado!

$$\frac{2(x-1)}{9} - \frac{3(6-2x)}{9} = \frac{9}{9}$$

$$2(x-1) - 3(6-2x) = 9$$

Simplificamos  
los  
denominadores

$$2x - 2 - 18 + 6x = 9$$

$$2x + 6x = 9 + 2 + 18$$

$$8x = 29$$

$$x = \frac{29}{8}$$

¡ENHORABUENA!

) x