T4 Equacions. Activ 2 Equacions 1r grau

2.3 Resoleu les equacions senzilles següents:

a) $3x - 2 \cdot (x+3) = x - 3 \cdot (x+1)$ ---> x =

b) $4 + x - 4 \cdot (1 - x) + 5 \cdot (2 + x) = 0$ ---> x =

c) $2x + 7 - 2 \cdot (x - 1) = 3 \cdot (x + 3)$ --> x =

d) $4 \cdot (2x - 7) - 3 \cdot (3x + 1) = 2 - (7 - x)$ --> x =

2.4 Resoleu les equacions següents:

a) $\frac{3x}{15} - x = -\frac{3x}{3} + \frac{9}{5}$

b) $\frac{x}{3} + \frac{x}{9} - \frac{4x}{27} = \frac{11}{27} - \frac{x}{9}$

c) $\frac{x}{2} + \frac{x-3}{8} + \frac{2x+2}{16} = \frac{x-2}{2}$

multipliqueu pel mínim comú denominador i resoleu les equacions resultants:

x =

x =

x =

d) $\frac{13+x}{20} - \frac{5x}{2} = \frac{10+x}{5} + \frac{1-12x}{10}$

e) $3x - \frac{x+3}{4} = 13$

f) $4 - \frac{x+2}{4} = x - 4$

x =

x =

x =

g) $\frac{x}{2} - \frac{2(x+2)}{7} = \frac{x-3}{4}$

h) $\frac{1-x}{25} - \frac{x}{6} + \frac{x+7}{9} = \frac{2}{5} - \frac{3x}{15}$

i) $\frac{(1+x)^2}{5} = \frac{2x+4}{25} + \frac{x^2}{5} + \frac{1}{5}$

x =

x =

x =

j) $\frac{x-4}{8} + \frac{9-x}{12} - \frac{2x-7}{24} + 5 = x - 8$

k) $x + \frac{9(5+x)}{5} = 9 - x$

l) $\frac{(2x-1)(2x+1)}{4} = \frac{3(4x^2+1)}{12} - x$

x =

x =

x =

LIVEWORKSHEETS