MATH LEAGUE 5TH WEEK SOLUTIONS:

حساب قيمة العبارة:

2-

$$\frac{x+3}{2022} + \frac{x+2}{2021} + \frac{x+1}{2020} = 3$$

$$2041210(x+3) + 2042220(x+2) + 2043231(x+1) = 12381979860$$

$$x = 2019$$









<u>حل المعادلة ا</u>

$$\frac{5}{x-1} + \frac{1}{4-3x} = \frac{3}{6x-8}$$

$$\Rightarrow \frac{5}{x-1} = \frac{3}{6x-8} - \frac{1}{4-3x}$$

$$=\frac{3}{6x-8}-\frac{1}{4-3x}$$

$$=\frac{3}{6x-8}+\frac{2}{6x-8}$$

$$=\frac{5}{6x-8}$$

$$\Rightarrow \frac{5}{x-1} = \frac{5}{6x-8}$$

$$\Rightarrow x-1=6x-8$$

$$\Rightarrow$$
 $5x = 7$

$$\Rightarrow x = \frac{7}{5}$$



