

The City School

North Nazimabad Boys Campus

Topic: Algebraic Equation



Teacher: Ambreen Badar

Class: 7th

Date: 30th September 2016

Q1: Simplify the following algebraic fraction:

i) $\frac{3y-1}{4} - \frac{2y-3}{6}$

ii) $\frac{3x}{8} - \frac{x+2}{8}$

Q2: Solve the following equation:

i) $\frac{6x+1}{7} - \frac{2y-7}{3} = 4$

ii) $\frac{3x+4}{2} = x - 2$

iii) $\frac{p+2}{4} = \frac{2p-3}{5}$

iv) $3(x+4) - 5(x-1) = 19$

Q3: If $a = 2$, $b = 3$ and $c = 1$, find the value of x , $x = \frac{5a-c}{b-c^2}$

Q4: What does 'x' stands for it: $7x - 14 = 19 - 4x$

Q5: What does 'x' stands for it: $18 + 3x = -3$

Q6: If $A = P + \frac{PRT}{100}$, Find A when $P = 5000$, $R = 5$ & $T = 3$

Q7: If $y + b = \frac{ay+c}{b}$, find c when $y = 12$, $a = 14$ and $b = 3$.