

Grade 7/8 Math **Solving Algebra Pre Test 2023**

Name: _____ Class: _____

Solve for x in the following and then use LS – RS Check.

a) $-7x = -28$

Left side

Right Side

b) $22x - 12 = 54$

Left side

Right Side

c) $4x + 9 = 21 + 2x$

Left side

Right Side

d) $-12x - 17 = 5x + 68$

Left side

Right Side

e) $-6(x + 7) = 4(12 + x)$

Left side

Right Side

f) $3(x/4) = 9$

Left side

Right Side

g) $2/3(9x) = -40$

Express this answer as a decimal rounded to two decimal places and as a fraction

j) Grade 8 Only

$$\frac{3x^2 + 2}{11} = 3^2 - -1$$

Left Side

Right Side