



CEMP – Centro Educacional Marapendi

Nome: _____ Data: / / 2025

Professor: _____ 7º Ano do Ensino Fundamental Turma: _____

Lista de exercícios – Equação do 1º grau

1)

$$a) 6x=2x+16$$

$$6x-2x=16$$

$$4x=16$$

$$x=16/4$$

$$x=4$$

$$S = \{4\}$$

$$b) 2x-5=x+1$$

$$2x-x=1+5$$

$$x=6$$

$$S = \{6\}$$

$$c) 2x+3=x+4$$

$$2x-x=4-3$$

$$x=1$$

$$S = \{1\}$$

$$d) 5x+7=4x+10$$

$$5x-4x=10-7$$

$$x=3$$

$$S = \{3\}$$

$$e) 4x-10=2x+2$$

$$4x-2x=2+10$$

$$2x=12$$

$$x=12/2$$

$$x=6$$

$$S = \{6\}$$

$$f) 4x-7=8x-2$$

$$4x-8x=-2+7$$

$$-4x=5$$

$$x=5/-4$$

$$x=-5/4$$

$$S = \{5/4\}$$

$$g) 2x+1=4x-7$$

$$2x-4x=-7-1$$

$$-2x=-8$$

$$x=-8/-2$$

$$x=4$$

$$S = \{4\}$$

$$h) 9x+9+3x=15$$

$$12x+9=15$$

$$12x=15-9$$

$$12x=6$$

$$x=6/12$$

$$x=1/2$$

$$S = \{1/2\}$$

$$i) 16x-1=12x+3$$

$$16x-12x=3+1$$

$$4x=4$$

$$x=4/4$$

$$x=1$$

$$S = \{1\}$$

$$j) 3x-2=4x+9$$

$$3x-4x=9+2$$

$$-x=11$$

$$x=-11$$

$$S = \{-11\}$$