

Solving for x: Lesson 07

Equations with Variables on Both Sides: Worksheet 1

Name: _____



Solve these equations using algebra:

$$3g - 1 = -g - 9$$

$$-7h + 11 = -2h - 14$$

$$6i - 2 = 4i + 12$$

$$-12x + 5 = 3x + 50$$

$$8a + 10 = 5a + 4$$

$$b - 14 = -7b - 6$$

$$-8k + 31 = -4k + 7$$

$$-5b - 8 = 2b + 62$$

Challenges!

$$\frac{-3}{7}y+9 = \frac{5}{7}y+2$$

$$\frac{-4}{5}d+3 = -\frac{3}{10}d+5$$

Calculator use okay on these (round answer to the nearest hundredth):

$$72.07x-6.3 = 13-14.09x \quad -3.79x+14.1=-260.4-29.3x$$