

Extra Practice: (5.2) Two-Step Equations

Pre-Algebra

Name Key

Solve each equation.

$$1) 9 = \frac{n}{10} + 8$$

$$1 = \frac{n}{10}$$

$$10 = n$$

$$3) 2 = \frac{b}{9} + 4$$

$$-2 = \frac{b}{9}$$

$$-18 = b$$

$$5) 4 = \frac{r}{4} + 5$$

$$-1 = \frac{r}{4}$$

$$-4 = r$$

$$7) -5 - 5r = 45$$

$$-5r = 50$$

$$r = -10$$

$$9) 3 - 10b = 123$$

$$-10b = 120$$

$$b = -12$$

$$11) \frac{b}{2} + 9 = 12$$

$$\frac{b}{2} = 3$$

$$b = 6$$

$$13) -9 = \frac{v}{1} - 9$$

$$0 = \frac{v}{1}$$

$$0 = v$$

$$15) \frac{v-10}{5} = -5$$

$$v-10 = -25$$

$$v = -15$$

$$2) \frac{x}{7} + 7 = 5$$

$$\frac{x}{7} = -2$$

$$x = -14$$

$$4) 5 = \frac{v}{9} + 4$$

$$1 = \frac{v}{9}$$

$$9 = v$$

$$6) 2 = \frac{p+5}{7}$$

$$14 = p+5$$

$$9 = p$$

$$8) \frac{4+b}{8} = -1$$

$$4+b = -8$$

$$b = -12$$

$$10) 10 - 5x = 10$$

$$-5x = 0$$

$$x = 0$$

$$12) -7 = -2 + \frac{a}{3}$$

$$-5 = \frac{a}{3}$$

$$-15 = a$$

$$14) -3 = \frac{x-10}{3}$$

$$-9 = x-10$$

$$1 = x$$