

Algebra Review

Answers to Problems.

$$1. \frac{x}{4} = 3$$

$$x = 3 \cdot 4$$

$$x = 12$$

$$2. \frac{2x}{y} = 6$$

$$2x = 6 \cdot y$$

$$x = \frac{6y}{2} = 3y$$

$$3. (2x+1) \cdot y = 0$$

$$(2x+1) = \frac{0}{y} = 0$$

$$2x = -1$$

$$x = -\frac{1}{2}$$

$$4. \frac{(2x+1)}{4y} = 0$$

$$2x+1 = 0 \cdot 4y = 0$$

$$2x = -1$$

$$x = -\frac{1}{2}$$

$$5. 2x^2 + y = 1$$

$$2x^2 = 1 - y$$

$$x^2 = \frac{1-y}{2}$$

$$x = \sqrt{\frac{1-y}{2}}$$

$$6. 2x^2 - 8 = 0$$

$$2x^2 = 8$$

$$x^2 = \frac{8}{2} = 4$$

$$x^2 = 4$$

$$x = \sqrt{4}$$

$$x = 2$$