

UNIT 2: SOLVE EQUATIONS

Algebra Essentials Homework 14

☺ **MULTIPLE CHOICE**

Solve each equation.

1) $\frac{15}{7}v + 1 + \frac{10}{7}v = -\frac{118}{7}$

- A)
- $\{-3\}$
- B)
- $\{1\}$
-
- C)
- $\{7\}$
- D)
- $\{-5\}$

2) $-5 = n + 3$

- A)
- $\{-8\}$
- B)
- $\{2\}$
-
- C)
- $\{3\}$
- D)
- $\{-2\}$

3) $7(p - 7) - 4 = -95$

- A)
- $\{-5\}$
- B)
- $\{-3\}$
-
- C)
- $\{8\}$
- D)
- $\{-6\}$

4) $-4(8 + 5b) - 8(1 - 5b) = 20$

- A)
- $\{3\}$
- B)
- $\{16\}$
-
- C)
- $\{-9\}$
- D)
- $\{-5\}$

5) $\frac{m}{4} = -5$

- A)
- $\{-1\}$
- B)
- $\{-20\}$
-
- C)
- $\{-9\}$
- D)
- $\left\{-\frac{5}{4}\right\}$

6) $8 + 2x = -7x + 7x$

- A)
- $\{-3\}$
- B)
- $\{-7\}$
-
- C)
- $\{4\}$
- D)
- $\{-4\}$

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Period: _____ Date: _____

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© MULTIPLE CHOICE

Solve each equation.

$$1) \left(\frac{15}{7}v + 1 + \frac{10}{7}v \right) = \left(-\frac{118}{7} \right) \times 7$$

- A) {-3} B) {1}
 C) {7} **D) {-5}**

$$15v + 7 + 10v = -118$$

$$\frac{25v}{25} = \frac{-125}{25}$$

$$v = -5$$

$$2) -5 = n + 3$$

- A) {-8}** B) {2}
 C) {3} D) {-2}

$$\begin{array}{r} -5 = n + 3 \\ -3 \quad -3 \\ \hline -8 = n \end{array}$$

$$3) 7(p-7) - 4 = -95$$

- A) {-5} B) {-3}
 C) {8} **D) {-6}**

$$7p - 49 - 4 = -95$$

$$\begin{array}{r} 7p - 53 = -95 \\ +53 \quad +53 \\ \hline 7p = -42 \end{array}$$

$$\frac{7p}{7} = \frac{-42}{7}$$

$$p = -6$$

$$* 4) -4(8+5b) - 8(1-5b) = 20$$

- A) {3} B) {16}
 C) {-9} D) {-5}

TOMORROW'S HOMEWORK QUIZ.

$$5) \frac{m}{4} = -5$$

- A) {-1} **B) {-20}**
 C) {-9} D) $\left\{ -\frac{5}{4} \right\}$

$$4) \left(\frac{m}{4} = -5 \right) \times 4$$

$$m = -20$$

$$6) 8 + 2x = -7x + 7x$$

- A) {-3} B) {-7}
 C) {4} **D) {-4}**

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

$$8 + 2x = 0$$

$$-8 \quad -8$$

$$\frac{2x}{2} = \frac{-8}{2}$$

$$x = -4$$