

Name:

Sem 1 Review Day 1 Post Assessment

Please choose the correct answer. Show all your work for credit.

1. Classify the following number. Please select all the that apply.

$$\frac{5}{6}$$

- a) Natural Number
- b) Whole Number
- c) Integer
- d) Rational Number
- e) Irrational Number

2. Classify the following number. Please select all the that apply.

$$-16$$

- a) Natural Number
- b) Whole Number
- c) Integer
- d) Rational Number
- e) Irrational Number

3. Simplify the expression.

$$5 \times 6 - 4 \div 2 - 11$$

$$30 - 4 \div 2 - 11$$

$$30 - 2 - 11$$

$$28 - 11$$

$$\boxed{17}$$

- a) -6
- b) 2
- c) 17
- d) 21

4. Solve the equation for x.

$$-5x - 5 = 30$$

$$\frac{-5x = 35}{-5 \quad -5}$$

$$x = -7$$

- a) $x = -5$
- b) $x = 5$
- c) $x = -7$
- d) $x = 7$

Name:

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Please choose the correct answer. Show all your work for credit.

1. Classify the following number. Please select all the that apply.

$$\frac{5}{6}$$

- f) Natural Number
- g) Whole Number
- h) Integer
- i) Rational Number
- j) Irrational Number

2. Classify the following number. Please select all the that apply.

$$-16$$

- f) Natural Number
- g) Whole Number
- h) Integer
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3. Simplify the expression.

$$5 \times 6 - 4 \div 2 - 11$$

- e) -6
- f) 2
- g) 17
- h) 21

4. Solve the equation for x.

$$-5x - 5 = 30$$

- e) $x = -5$
- f) $x = 5$
- g) $x = -7$
- h) $x = 7$

5. Solve the equation for n.

$$2n - 4 = -6(4 - 2n)$$

$$2n - 4 = -24 + 12n$$

$$2n + 20 = 12n$$

$$\frac{20}{10} = \frac{10n}{10}$$

$$n = 2$$

- a) $n = -2$
- b) $n = 2$
- c) $10/7$
- d) $14/5$

5. Solve the equation for n.

$$2n - 4 = -6(4 - 2n)$$

- e) $n = -2$
- f) $n = 2$
- g) $10/7$
- h) $14/5$

6. Solve the equation for x.

$$6n - 12 = 6(-2 + n)$$

$$\begin{array}{r} 6n - 12 = -12 + 6n \\ -6n \quad \quad -6n \\ \hline -12 = -12 \end{array}$$

$$-12 = -12$$

All real solutions

- a) $n = 0$
- b) $n = 24$
- c) No Solution
- d) All Real Solutions

6. Solve the equation for x.

$$6n - 12 = 6(-2 + n)$$

- e) $n = 0$
- f) $n = 24$
- g) No Solution
- h) All Real Solutions

Self-Reflect: On the scale of 1 – 5... how do you feel about Unit 1?

1 2 3 4 5
I really need to review I will ACE this

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