

Name: Key

Semester 1 Final Review  
Unit 1  
Pre Assessment Day 1

1. Classify the number.

	Natural	Whole	Integer	Rational	Irrational
5/6			✓	✓	
-16					

Self-Assess

1                                      2                                      3                                      4                                      5  
I really need to review.                                      I remember this like it was yesterday. 😊

Objective: Can I simplify an expression using the correct Order of Operations?

$$\begin{aligned} & \underbrace{7 \times 3} - 25 \div 5 + 9 \\ & 21 - 25 \div 5 + 9 \\ & \quad \underbrace{21 - 5} + 9 \\ & \quad 16 + 9 \end{aligned}$$

Self-Assess

1                                      2                                      3                                      4                                      5  
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Objective: Can I solve equations?

$$3 \cdot \frac{x}{3} = 11 \cdot 3$$

$$\boxed{x = 33}$$

$$-6x + 5 = 47$$

$$\begin{aligned} & \frac{-5 \quad -5}{-6x = 42} \\ & \frac{-6 \quad -6}{-6 \quad -6} \end{aligned}$$

$$\boxed{x = -7}$$

Self-Assess

1                                      2                                      3                                      4                                      5  
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Objective: Can I combine like terms when solving an equation?

$$3n - 5 = -8(6 + 5n)$$

$$\begin{array}{r} 3n - 5 = -48 + -40n \\ -3n \qquad \qquad -3n \\ \hline \end{array}$$

$$\begin{array}{r} -5 = -48 - 40n \\ +48 \quad +48 \\ \hline \end{array}$$

$$\begin{array}{r} 43 = -40n \\ -43 \quad -43 \\ \hline \end{array}$$

$$\boxed{n = -1}$$

Self-Assess

1 2  
I really need to review.

3 4 5  
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Objective: Can I solve equations involving special cases?

$$4n + 3 = 4(-3 + n)$$

$$\begin{array}{r} 4n + 3 = -12 + 4n \\ -4n \qquad \qquad -4n \\ \hline \end{array}$$

$$3 = -12$$

$$\boxed{\text{NO SOL}}$$

Self-Assess

1 2  
I really need to review.

3 4 5  
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What will I do to prepare for these objectives from Unit 1?