

Name _____ Date _____ Period _____

Math 7 Advanced: Unit 2 Test Review

Directions: No calculators, no notes and no textbooks. Please circle your answers. Good job reading the directions.

1. Answer all that apply. Which of the following is equivalent to -12 ? (Number System)

- a) $-9 - 3$
- b) $-3 - (-9)$
- c) $-9 - (-3)$
- d) $-(3 + 9)$
- e) None of these are equivalent

2. Simplify each expression. (Number System)

- a. $-9 - 7$
- b. $6 + (-11)$
- c. $(-3)(-8)$
- d. $\frac{-42}{-7}$
- e. $-19 - (-5)$
- f. $14 - (-23)$
- g. $(-16)(2)$
- h. $\frac{-65}{5}$

3. Mr. Gamgee has $3\frac{3}{4}$ cups of sugar. His recipe for Elvish bread calls for $\frac{4}{5}$ of a cup of sugar. How many batches of bread can he make? Write a sentence answer. (Number System)

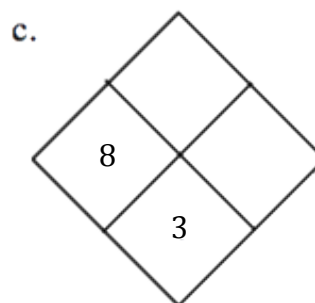
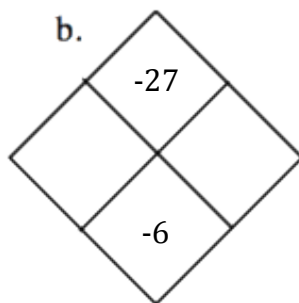
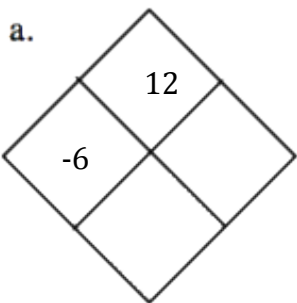
4. Simplify each expression. (Number System)

- a. $-5\frac{2}{3} \div 2\frac{1}{4}$
- b. $3\frac{1}{5} \cdot (-\frac{3}{4})$

5. Simplify each expression. (Number System)

- a. Multiply: $(2.78)(3.15)$
- b. Divide: $\frac{3.065}{0.25}$

6. Solve the diamond problems below. (Number System)



7. Mr. Baggins loves pizza. He eats $\frac{5}{8}$ of his large pizza for dinner. He then eats half of what's left for breakfast. How much of the original pizza remains? Draw a diagram to show your thinking. (Number System)

8) Give the fraction, decimal and percent for each. Simplify, when possible. (Number System)

<u>Fraction</u>	<u>Decimal</u>	<u>Percent</u>
$\frac{5}{11}$		
	0.4	
		65%

9) Find the **total** area of the shape to the right. Do not forget to include units. (Geometry)

