Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_

SOL 8.1 Around the Room Review

1) Write 9,456,000,000 in scientific notation 1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Write 0.000032 in scientific notation 2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Simplify: (4 - 6)2 + [23 +]3 3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Simplify: (4)2 + (8)2 4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Identify the property:  5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) Which of the following is the least number: 6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.4 x 10-2, 0.25, , 0.3%

7) Which of the following is the greatest number: 7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.4 x 10-2, 0.25, , 0.3%

8) Write 0.00032 in scientific notation 8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) Identify the property: 8(x + 4) = 8x + 8(4) 9) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) Simplify:  10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11) Identify the property: (3 + 4) + 2 = (4 + 3) + 2 11) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12) Identify the property that justifies step 3: 12) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(2 ● 3) ● 4 + (-2 + 2) Given

2 ● (3 ● 4) + (-2 + 2) Associative Prop. Of Mult. (Step 1)

2 ● 12 + (-2+2) Substitution (Step 2)

2 ● 12 + (0) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Step 3)

24 + 0 Substitution (Step 4)

24 Additive Identity (Step 5)

Name \_\_\_\_\_\_\_\_\_KEY\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_

SOL 8.1 Around the Room Review

1) Write 9,456,000,000 in scientific notation 1) \_\_\_\_\_9.456 x 109\_\_\_\_\_\_\_\_\_\_

2) Write 0.000032 in scientific notation 2) \_\_\_\_3.2 x 10-5\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Simplify: (4 - 6)2 + [23 +]3 3) \_\_\_\_\_8,004\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Simplify: (4)2 + (8)2 4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Identify the property:  5) \_\_Multiplicative Inverse\_\_\_\_

6) Which of the following is the least number: 6) \_\_\_\_\_\_\_0.3%\_\_\_\_\_\_\_\_\_\_\_\_\_

2.4 x 10-2, 0.25, , 0.3%

7) Which of the following is the greatest number: 7) \_\_\_\_\_\_\_0.25\_\_\_\_\_\_\_\_\_\_\_\_\_

2.4 x 10-2, 0.25, , 0.3%

8) Write 0.00032 in scientific notation 8) \_\_\_\_\_\_3.2 x 10-4\_\_\_\_\_\_\_\_\_\_\_

9) Identify the property: 8(x + 4) = 8x + 8(4) 9) \_\_Distributive Property\_\_\_\_\_\_

10) Simplify:  10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11) Identify the property: (3 + 4) + 2 = (4 + 3) + 2 11) \_Commutative Prop. Of Add.\_\_

12) Identify the property that justifies step 3: 12) \_\_\_Additive Inverse\_\_\_\_\_\_\_\_\_

(2 ● 3) ● 4 + (-2 + 2) Given

2 ● (3 ● 4) + (-2 + 2) Associative Prop. Of Mult. (Step 1)

2 ● 12 + (-2+2) Substitution (Step 2)

2 ● 12 + (0) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Step 3)

24 + 0 Substitution (Step 4)

24 Additive Identity (Step 5)