

Name \_\_\_\_\_ Date \_\_\_\_\_ Per \_\_\_\_\_

### IM1 Unit Zero Study Guide

$$(-5)^2 - 2 \times (-9) + 6$$

$$3 \times 10 + 8 - 4^2$$

$$(-9) - (-8) + 2 \times 4^2$$

$$(-3)^3 - 2 + 8 \div (-8)$$

$$8 \div (-4) \times (-6)^2 + 7$$

$$4 \times (-8) + 6 - (-2)^3$$

$$10 \times 5 - (-6)^2 + (-8)$$

$$(-5)^2 \times 3 \div 5 + 9$$

$$(10 \div (-5) - (-2)) \times (-3)^3$$

$$4 \times (-6) \div 8 + 3^3$$

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$$\left(\frac{3}{5} - \frac{1}{6}\right) \div \left(-\frac{1}{3}\right)$$

$$\left(\left(-\frac{1}{3}\right) + \frac{5}{8}\right) \div \frac{8}{9}$$

$$\left(\left(-\frac{1}{6}\right) - \left(-\frac{5}{8}\right)\right) \times \frac{1}{2}$$

$$\left(-\frac{1}{2}\right) - \left(-\frac{1}{5}\right)^2$$

$$\left(-\frac{2}{9}\right) \times \left(\left(-\frac{5}{9}\right) + \frac{5}{6}\right)$$

$$\left(-\frac{1}{8}\right) \times \left(-\frac{2}{3}\right) + \frac{5}{6}$$

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### Convert Decimal to Percent

$0.34 =$

$1.42 =$

$1.65 =$

$0.95 =$

$1.57 =$

$1.49 =$

### Convert Percent to Decimal

$153 \% =$

$88.6 \% =$

$129 \% =$

$107 \% =$

$8 \% =$

$114 \% =$

### Convert Decimal to Fraction

$0.172 =$

$0.25 =$

$1.54 =$

$1.15 =$

$0.511 =$

$0.55 =$

### Convert Fraction to Decimal

$\frac{9}{10} =$

$\frac{15}{16} =$

$\frac{3}{10} =$

$\frac{16}{10} =$

$\frac{25}{50} =$

$\frac{25}{50} =$

### Convert Fraction to Percent

$\frac{1}{4} =$

$\frac{13}{10} =$

$\frac{3}{10} =$

$\frac{9}{50} =$

$\frac{3}{10} =$

$\frac{32}{20} =$

### Convert Percent to Fraction

$125 \% =$

$78 \% =$

$194 \% =$

$139 \% =$

$91.8 \% =$

$195 \% =$

## IM1 Unit Zero Study Guide

\_\_\_\_\_ 1. Eight more than one –  
fourth of d

1)  $-7 + 8 - 4b + 3h$  use  $b = 2$  and  $h = 4$

\_\_\_\_\_ 2. Five less than twice a  
number

\_\_\_\_\_ 3. Seven increased by the  
product of two numbers

2)  $4z - 6 + 7w$  use  $z = 6$  and  $w = 7$

\_\_\_\_\_ 4. one half of some number

\_\_\_\_\_ 5. A number m plus six  
times n

\_\_\_\_\_ 6. The sum of m and n

3)  $\frac{f}{8} - 9d$  use  $f = 24$  and  $d = 2$

\_\_\_\_\_ 7. Thirty-four divided by x

\_\_\_\_\_ 8. The quotient of two  
numbers subtracted from 20

\_\_\_\_\_ 9. The product of six and  
three less than the number

4)  $-\frac{16}{s} + 6 + 4c$  use  $s = 8$  and  $c = 3$

\_\_\_\_\_ 10. Twice the sum of a  
number and eight

5)  $-2 + \frac{h}{5} - 6c$  use  $h = 20$  and  $c = 9$