

## Integers Final Exam Review - Key

### • Multiplying Integers with Diagrams

a)  $(+5) \times (+4)$

b)  $(-9) \times (-9) \times (-9) \times (-9)$

c)  $(+2) \times (+3) = +6$        $(-3) \times (-2) = +6$

d)  $(+8) \times (-2)$

e)  $(+3) \times (-5) = -15$        $-15$  is smaller than  $-5$ .  
↑  
You can use any negative integer.

### • Multiplying Integers

a)  $(+3) \times (+2) = +6$

b)  $+160$        $+144$        $0$        $-6$

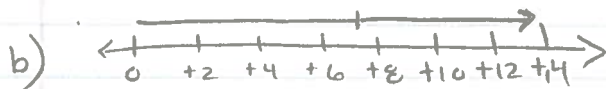
c)  $\$96.00$

d)  $-34$  and  $-28$

e)  $(+12)$        $(-1)$

### • Dividing Integers

a)  $\begin{array}{c} + + + + + \\ + + + + + \end{array} \rightarrow \begin{array}{c} + + + + + \\ + + + + + \end{array} \quad = = = = \rightarrow \begin{array}{c} \ominus \ominus \ominus \ominus \end{array}$



c)  $-16$        $-4$        $+1$        $0$

d) 15 months

e) \$406

• Applying Integer Operations

a)  $-32$                        $-22$

b)  $-2.\bar{6}$

c)  $-144$

d) 6 hours.