**Coding Practice with Volume**

**Measurement**

**Unit 3 Line Master 3a**

1. Which code below accurately generates a list of prism volumes as the height   
of the prism is doubled each time?

**Code A**

length = 5

width = 5

height = 10

for i in range (0,10):

  baseArea = length \* width

  prismVolume = round(baseArea \* height)

  print (height, "\t", prismVolume)

  height = height \* 3

**Code B**

length = 5

width = 5

height = 10

for i in range (0,10):

  baseArea = length + width

  prismVolume = round(baseArea + height)

  print (height, "\t", prismVolume)

  height = height \* 2

**Code C**

length = 5

width = 5

height = 10

for i in range (0,10):

  baseArea = length \* width

  prismVolume = round(baseArea \* height)

  print (height, "\t", prismVolume)

  height = height \* 2

**Coding Practice with Volume** (cont’d)

**Measurement**

**Unit 3 Line Master 3b**

2. For the correct code in Question 1, describe the output.