

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Import modules ✓ Use from-import and aliases ✓ Use the standard library ✓ Install packages with pip

Section A • Concept Check • BEGINNER $4 \times 1 = 4$ _____

- 1** Bring in the math module:

☐ A. include math ☐ B. import math

☐ C. using math ☐ D. load math

3 from math import sqrt lets you call:

☐ A. math.sqrt(9) ☐ B. sqrt(9) ☐ C. m.sqrt(9)

☐ D. sqrt.math(9)

2 import numpy as np creates:

☐ A. a copy ☐ B. an alias ☐ C. a class

☐ D. an error

4 Install external packages with:

☐ A. pip install x ☐ B. python get x

☐ C. import install x ☐ D. apt x

Section B • Problem Solving • INTERMEDIATE $2 + 3 \times 3 = 11$ _____

- 5** math.....(16) returns 4.0.
- 6** Alias imports use the keyword _____
- 7** Import just sqrt from math.

- 8** Import random and roll a die 1-6.

- 9** What is math.floor(3.9)?

Section C • Challenge • CHALLENGE 5 _____

- 10** Why use modules?

 Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 **Total** ___/20

Teacher's Signature _____

Parent's Signature _____

✂ ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-B 2-B 3-B 4-A | 5 sqrt 6 as 7 = from math import sqrt 8 = import random;
random.randint(1, 6) 9 = 3 | 10 = To reuse organised, tested code instead of rewriting it