

Coordinate
Geometry

Chapter: Geometry • Level ★★★ • Time: 30 min

SCORE

___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Use the distance formula. ✓ Use the midpoint formula. ✓ Identify the four quadrants.
 ✓ Plot and read coordinates.



Section A • Concept Check

• BEGINNER

$4 \times 1 = 4$

- 1 Distance between (1,1) and (4,5):
☐ A. 5 ☐ B. 7 ☐ C. 25 ☐ D. 4
- 2 Distance between (-2,3) and (2,0):
☐ A. 5 ☐ B. 7 ☐ C. 1 ☐ D. 25
- 3 Midpoint of (2,6) and (8,2):
☐ A. (5,4) ☐ B. (4,5) ☐ C. (10,8) ☐ D. (6,4)
- 4 Midpoint of (-4,-2) and (4,6):
☐ A. (0,2) ☐ B. (0,0) ☐ C. (4,4) ☐ D. (2,2)



Section B • Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- 5 The distance formula is $\sqrt{[(x_2 - x_1)^2 + (\text{-----})^2]}$.
- 6 The midpoint formula averages the -----.
- 7 Find the distance between (1,1) and (4,5).

- 8 Find the distance between (-2,3) and (2,0).

- 9 Find the midpoint of (2,6) and (8,2).



Section C • Challenge

• CHALLENGE

5

- 10 Find the midpoint of (-4,-2) and (4,6).



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-A 2-A 3-A 4-A | 5 $y_2 - y_1$ 6 coordinates 7 = 5 8 = 5 9 = (5,4) | 10 = (0,2)