

Warm Up 11

1. coordinates
2. 10 units
3. C

Lesson Practice 11

- a. 2.5
- b. (4, 4)
- c. (0.5, 2)
- d. $(-1, 1.5)$, $(2, 1)$,
 $(0, -0.5)$
- e. $(-1.5, 1.5)$, $(2, 0.5)$,
 $(0.5, 4)$

Practice 11

1. 5.5
2. (5, 3)
3. (-0.5, 0)
4. -1
5. He only added the coordinates instead of finding their average.
6. 107°
7. 8
8. Alternate Exterior Angles Theorem
9. false; February is another possible winter month.
10. false; $x = 1$ and $y = 2$ is another possible solution.
11. 12.37
12. 11.66
13. 134 yards
14. 20.49 units
15. 114.5 cm
16.

1	5	10	10	5	1		
1	6	15	20	15	6	1	
1	7	21	35	35	21	7	1
17. 729
18. Her conjecture has no foundation in fact. There would be no evidence to support a team playing better based on an event unrelated to the game.
19. 76°
20. 95°
21. no
22. 5
23. greatest: infinite; least: 1
24. sometimes
25. 72°
26. 105°

27. Figures are congruent and numbers are equal. If \overline{AB} is congruent to \overline{CD} , and \overline{AB} has a length of 6, then $AB = 6 = CD$.
28. Segment Addition Postulate
29. Three points can be noncollinear, but if they are on the same line, then they are collinear. The student could say that “Any two distinct points are collinear.”
30. C