Name: _

COORDINATE PLANE DISTANCES

If the points lie in the same quadrant, <u>subtract</u> the absolute values of the appropriate coordinates. If the points lie in different quadrants, <u>add</u> the absolute values of the appropriate coordinates.



Find the distance between the pair of points, following the example:

example: (1, 4) and (-3, 4)	1 = 1; -3	= 3 1 +	3 = 4	4 units
1. (7, -2) and (11, -2)				
2. (6, 4) and (6, -8)				
3. (8, -10) and (5, -10)				
4. (-2, -6) and (-2, 5)				
5. (-5, 2) and (-5, -4)				
Write the coordinates of two points the	nat are the given distar	nce from these poin	ts and horizor	ntal/vertical:
6. 5 units from (−1, −2)	(,-2) and	(, –2)		
7. 8 units from (2 , 4)	(2,) and	(2,)		
8. 3 units from (–7, –5)	(-7,) and	(-7,)		
9. 6 units from (4, −1)	(4,) and	(4,)		
10. 10 units from (-1, 9)	(, 9) and	(, 9) _		
11. 7 units from (-3 , 2)	(, 2) and	(,2)_		
The map shows the location of severa amusement park. Each unit represen	al areas in an ts 1 kilometer.		Fe 6 5	rris Wheel
12. How far is the Ferris wheel from the		Bumper Cars	4 3 2 8 Rol	lercoaster
rollercoaster?		654221	0 1 2 2	
13. How far is the water slide	e from the	-0 -9 -4 -9 -2 -1	-1	4 0 0
restrooms?			-3	
		Water Slide	-4 -5 Restr	ooms
14. Which of the following v	values could be t	he y-coordinat	♥ e of the p	oint (10,

A. 17 B. 3 C. -1 D. -7

- 15. What is the distance between the points (4, -7) and (-5, -7)?
 - A. 1 unit B. 3 units C. 7 units D. 9 units