Name	Due Date	Period		
	13.8 Area using the Distance Formula			

- 1. What is the equation for area of a rectangle/parallelogram?
 - a. How do you find the height of a parallelogram?
- 2. What is the equation for area of a Triangle?
 - a. How do you find the height of a triangle?
- 3. A triangle is defined by the points A (13,13), B (18,9) and C (8,9). What is the area of the triangle?

Find the area for each of the following:

Square PQRS has vertices P(-3, 0), Q(0, 4), R(4, 1), and S(1, -3). Determine the area of the square.



5. Rectangle ABCD has vertices A (-3, -4), B (-1, 2), C (2, 1), and D (0, -5). Determine the area of the rectangle.

		0	1		
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++				++	++
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	20				
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++			++	+	+

6. Triangle ABC has vertices A (1, -1), B (4, 3), and C (5, -3). Calculate the area of triangle ABC.



7. Find the area of the parallelogram whose vertices are



- are (4, 7), (1, 7), (1, 3), and (4, 3)
- 8. Find the area of the square whose vertices 9. Find the area of the triangle whose vertices are (6, 4), (3, 4), and (6, 1)

- are (-2, 4), (1, 8), and (-2, 8)
- 10. Find the area of the triangle whose vertices 11. Find the area of the triangle whose vertices are (-9, 8), (-9, 16), and (-17, 8)