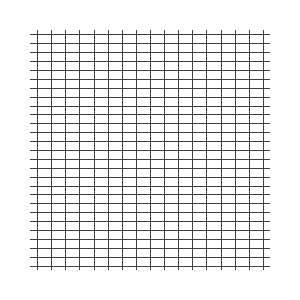
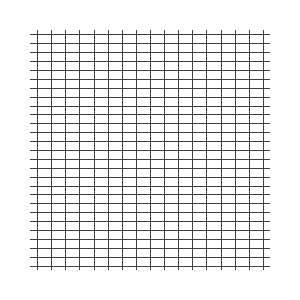
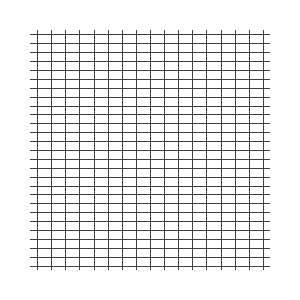
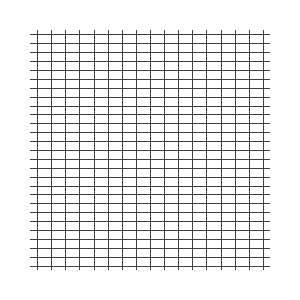
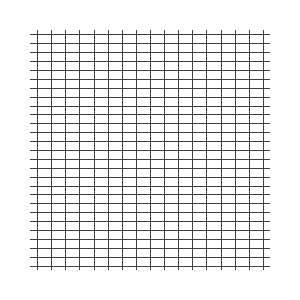
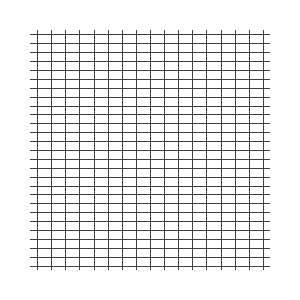
1.  Determine whether Point A (5, 3) lies on the circle whose center is Point C (1, 1) and which contains the Point P(-2, 5). You must show your work.
2. Classify the triangle as isosceles, equilateral or scalene. Determine if the triangle is a right. Given that the following are vertices of the triangle: (0, -2), (0,2) and (4,0).



1. Given the following points: A(-5,6), B(3,7), C(4, -1) and D(-4, -2) please determine the type of quadrilateral. Choose the most specific one possible. You must justify your answer with algebraically.
2. Write the equation of the line through the point (3,3) for the line perpendicular to y = -1/3x + 5.
3. Write the equation of the line through the point (0, 7) for the line parallel to 3x + 4y = 12.
4. Given the directed segment from A(5,4) to B(0, 14) partition the segment with point P in a ratio of 2:3.