Find the area of the following:
9. Triangle $X Y Z$ with vertices $(-6,4),(2,6)$, and (4,-3).
10. triangle $A B C$ with vertices $A(2,5), B(5,8), C(3,15)$
11. square $D E F G$ with vertices $D(-1,2), E(-1,-2), F(3,-2), G(3,2)$
12. rectangle $H I J K$ with vertices $H(-1,1), I(1,-1), J(7,5), K(5,7)$

Use a matrix equation to solve each system of equations.
27. $-x+y=4$
$-x+y=-4$
28. $-x+y=3$
$-2 x+y=6$
29. $x+y=4$ $-4 x+y=9$

