Name _____ Date _____

Year Group _____

Solve the system of equations

1. $\begin{cases} x - y = 2 \\ -x + y^2 = 4 \end{cases}$

Solve for the variable x in the linear equation

$$x - y = 2$$

Steps => $x =$ ____ $+ 2$

Substitute the equation above into the parabolic equation

$$-x + y^2 = 4$$

Steps => $-($ ____ $+$ ____ $) + y^2 = 4$

Steps => ____ ____ ____ $+ y^2 = 4$

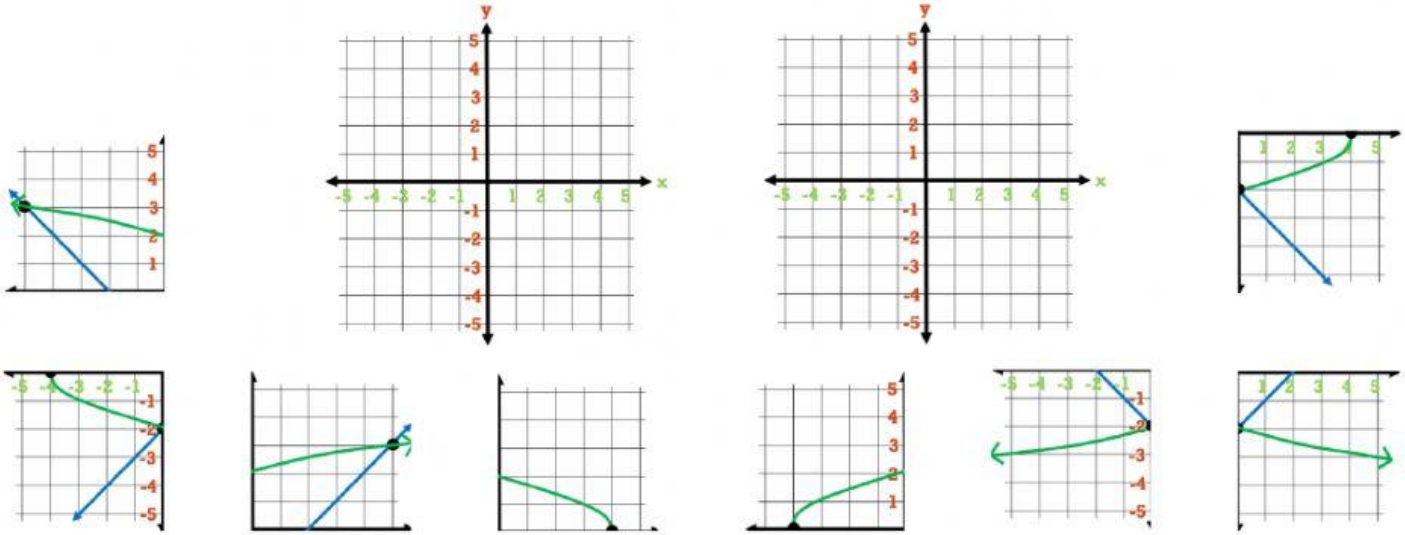
Steps => $y^2 -$ ____ $-$ ____ $= 0$

Steps => $(y -$ ____ $)(y +$ ____ $) = 0$

Steps => $y =$ ____ or $y =$ ____

Point 1 (____ , ____) Point 2 (____ , ____)

Drag the pieces to a make the graph that matches the system
Put the correct pieces on the left and the extra on the right



LIVEWORKSHEETS