1. Which of the following is correct intersection plot:
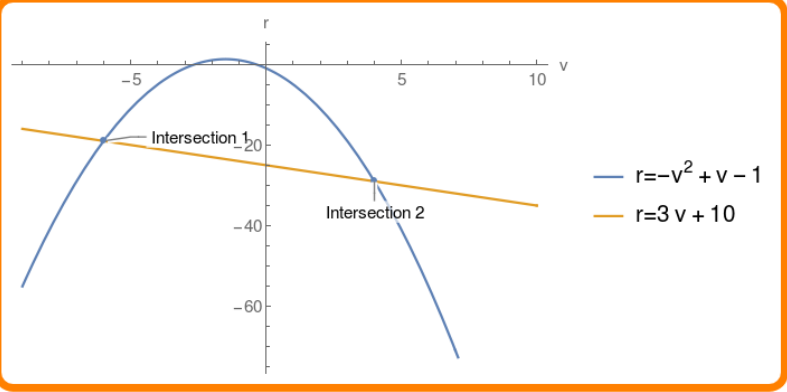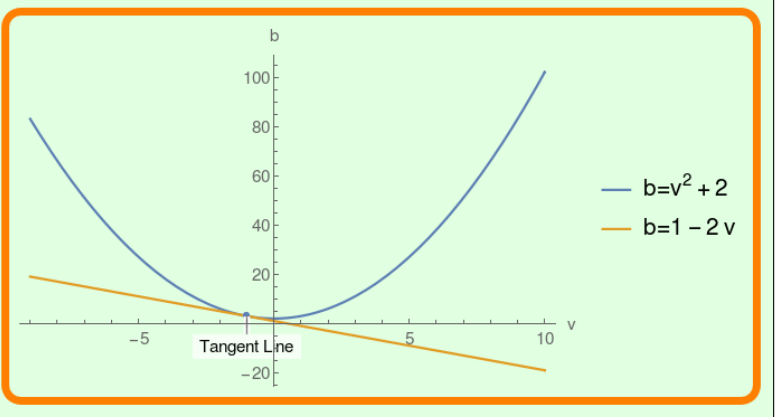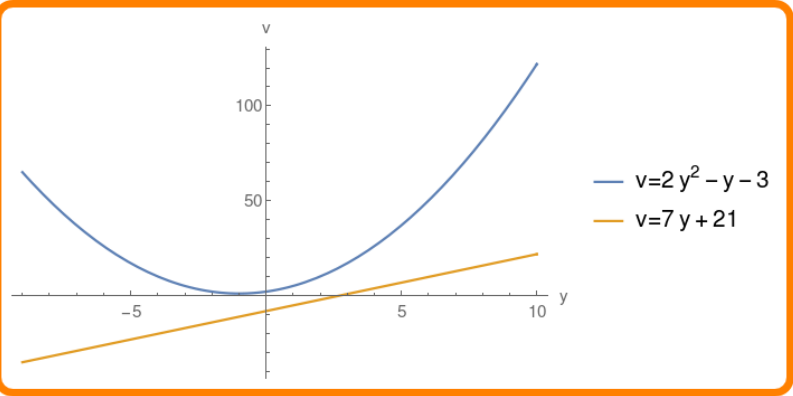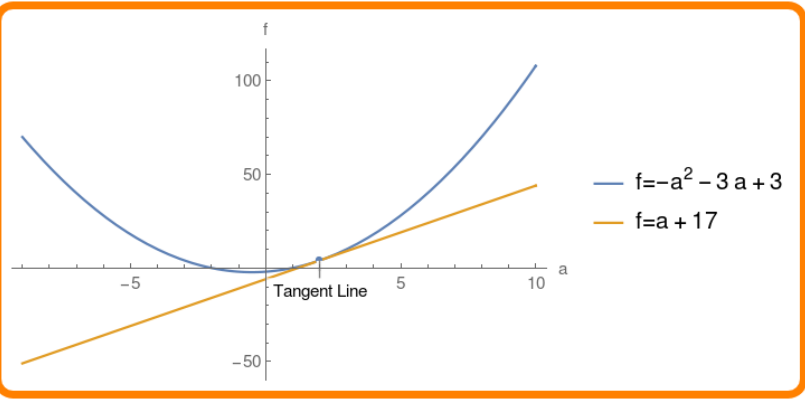

$f = -a^2 - 3a + 3$
$f = a + 17$

Tangent Line

$v = 2y^2 - y - 3$
$v = 7y + 21$

$b = v^2 + 2$
$b = 1 - 2v$

Tangent Line

Intersection 1

Intersection 2

$r = -v^2 + v - 1$
$r = 3v + 10$

Solution

$\left\{ \vphantom{\begin{array}{c}b=v^2+2\\b=1-2v\end{array}} \right.$
$b = v^2 + 2$
$b = 1 - 2v$
$, 1, 0, 2, -2, 1, \{-1, 3\}\}$

Tangent Line