# 1. Which of the following is correct intersection plot:
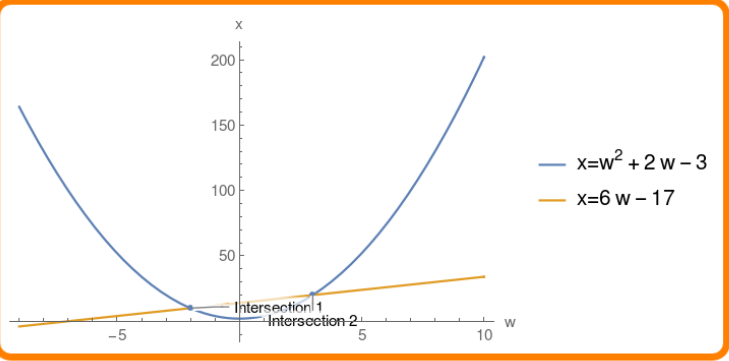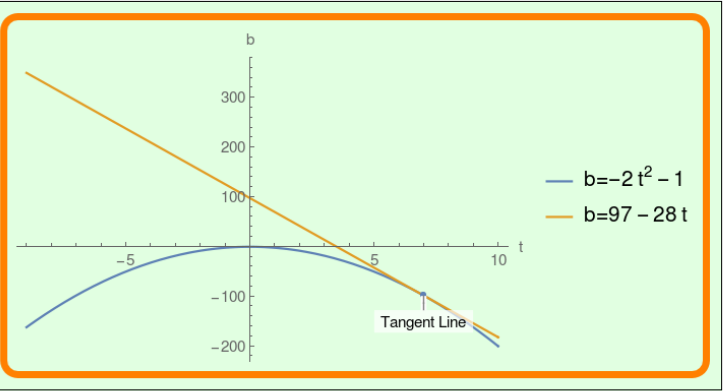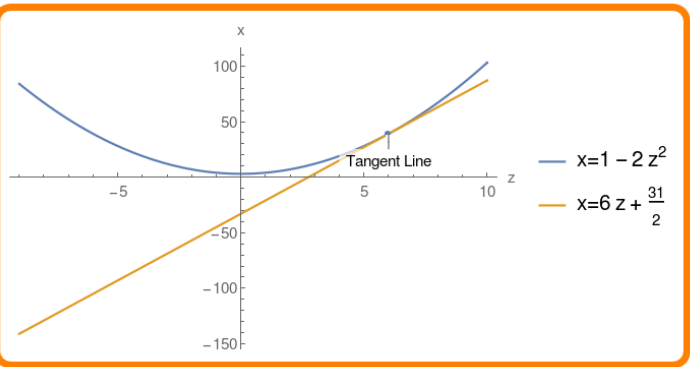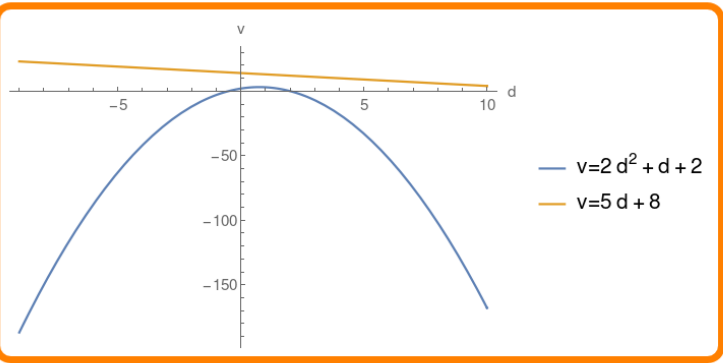


$v = 2d^2 + d + 2$
$v = 5d + 8$



Tangent Line

$x = 1 - 2z^2$
$x = 6z + \frac{31}{2}$



$b = -2t^2 - 1$
$b = 97 - 28t$

Tangent Line



$x = w^2 + 2w - 3$
$x = 6w - 17$

Intersection 1
Intersection 2

## Solution



$\left\{ \vphantom{\Big|} \right.$ $b = -2t^2 - 1$ , $-2, 0, -1, -28, 97, \{7, -99\}$ $\left. \vphantom{\Big|} \right\}$
$b = 97 - 28t$

Tangent Line