1. Which of the following is correct intersection plot:
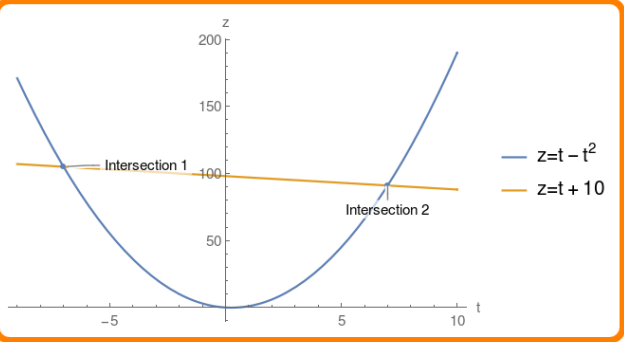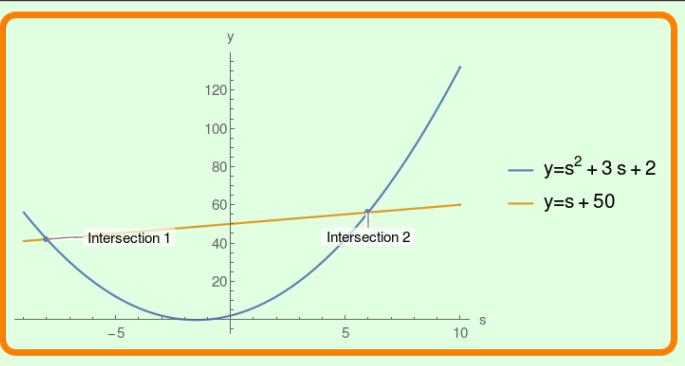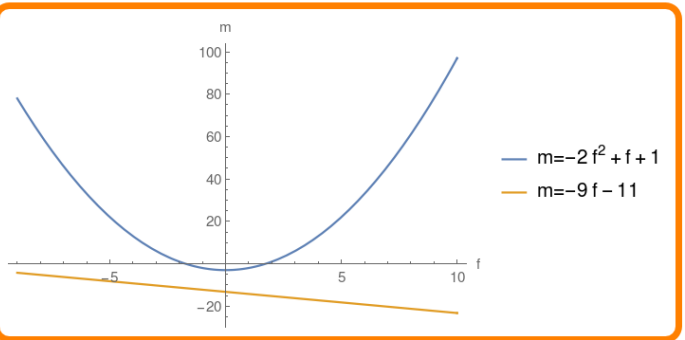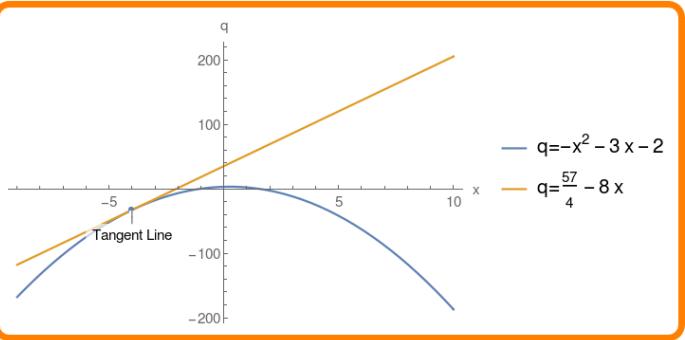

$q = -x^2 - 3x - 2$

$q = \frac{57}{4} - 8x$

Tangent Line

$m = -2f^2 + f + 1$

$m = -9f - 11$

$y = s^2 + 3s + 2$

$y = s + 50$

Intersection 1

Intersection 2

$z = t - t^2$

$z = t + 10$

Intersection 1

Intersection 2

Solution

Intersection 1

Intersection 2

$\left\{ \vphantom{\Big|} \right.$ $y = s^2 + 3s + 2$, $1, 3, 2, 1, 50, \{-8, 42\}, \{6, 56\}$ $\left. \vphantom{\Big|} \right\}$

$y = s + 50$