1. Which of the following is correct intersection plot:
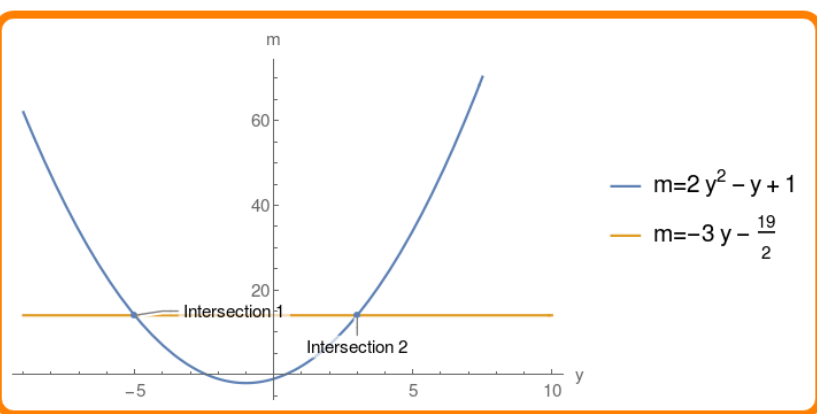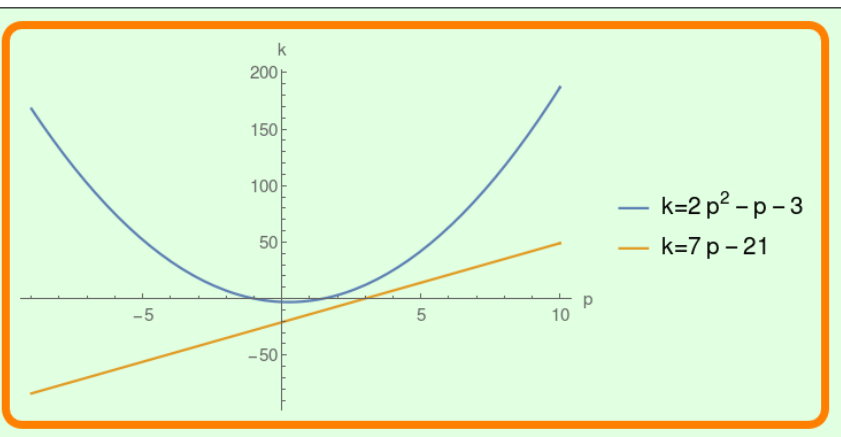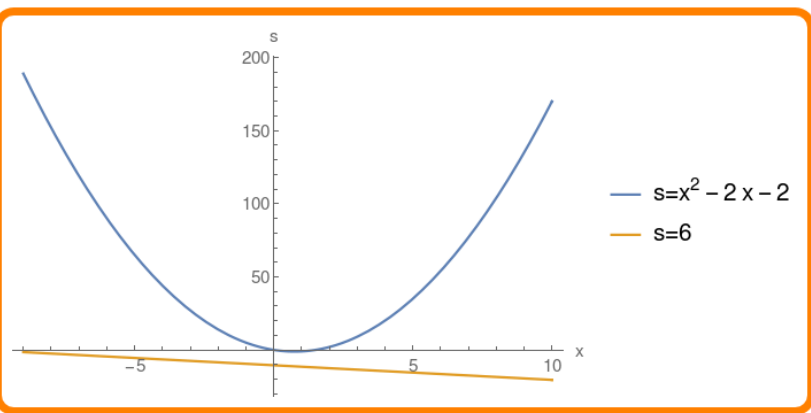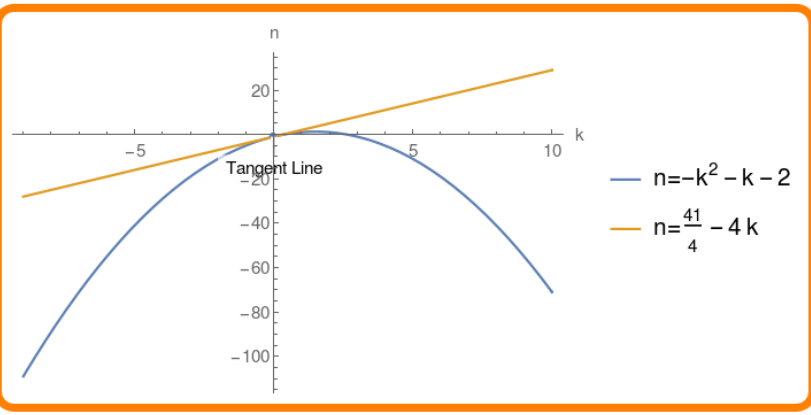

Legend:
- $n = -k^2 - k - 2$
- $n = \frac{41}{4} - 4k$

Tangent Line

Legend:
- $s = x^2 - 2x - 2$
- $s = 6$

Legend:
- $k = 2p^2 - p - 3$
- $k = 7p - 21$

Legend:
- $m = 2y^2 - y + 1$
- $m = -3y - \frac{19}{2}$

Intersection 1
Intersection 2

Solution

$\left\{ \right.$
- $k = 2p^2 - p - 3$
- $k = 7p - 21$
$, \; 2, \; -1, \; -3, \; 7, \; -21 \left. \right\}$