100 80 $-q=d^2+d+2$ 60 -q=4d+640 20 -20 10 y -5 Intersection 1 Intersection 2 - a=-2 y² - 1 -40 a=4 y + 11 -60 -80 100 50 $\frac{1}{10}$ k — c=-2 k² - 3 k + 1 -50 -- c= $\frac{31}{2}$ - 9 k -100 -150 -200 50 $- w = -2z^2 + 3z + 3$ -5 -- w=3 z + 13 Tangent Line -50 -100 100 50

1. Which of the following is correct intersection plot:

$$\begin{array}{c} - w = -2 z^2 + 3 z + 3 \\ -50 & -100 \end{array}$$

$$\begin{array}{c} - w = -2 z^2 + 3 z + 3 \\ - w = 3 z + 13 \end{array}$$

$$\begin{array}{c} - c = -2 k^2 - 3 k + 1 \\ - c = \frac{31}{2} - 9 k \end{array}$$

$$\begin{array}{c} - 2, -3, 1, -9, \frac{31}{2} \end{array}$$