-5 Intersection 2 Intersection 1 -- k= $r^2 + r + 1$ -40 -- k=-2 r -  $\frac{45}{4}$ -60 -80 -100 100 50 -50 Tangent Line -100 -150 -200 - z=-b<sup>2</sup> - 3 b - 1  $-z = \frac{37}{4} - 2b$ -50 -100 150 100  $- j = -2 d^2 - 3 d + 1$ — j=−7 d − 69 50 -50

1. Which of the following is correct intersection plot:

Solution
$$-50 \\
-50 \\
-50 \\
-50 \\
-50 \\
-100$$

$$-z=-b^2-3b-1 \\
-z=\frac{37}{4}-2b$$

$$-1, -3, -1, -2, \frac{37}{4}$$