1. Which of the following is correct intersection plot: 100 50 -- r=-d<sup>2</sup> - 2 d - 3  $\frac{1}{10}$  d -- r= $\frac{37}{4}$  - 5 d Tangent Line -50 -100 50 - k=-2 t<sup>2</sup> + 3 t + 1 - k=-t - 15 -50 -100 200 150  $k=2 s^2 - 1$  $- k = -6 s - \frac{31}{2}$ 50 10 s -50 80 - u=2 a<sup>2</sup> + 2 a - 1 60  $-u=-8a-\frac{47}{2}$ 40 Intersection 2 20 10 a 200 150

$$- u = -8 \text{ a} - \frac{47}{2}$$
-  $u = -8 \text{ a} - \frac{47}{2}$ 

Solution

$$- k = 2 \text{ s}^2 - 1$$
-  $k = -6 \text{ s} - \frac{31}{2}$ 
, 2, 0, -1, -6,  $-\frac{31}{2}$