1. Which of the following is correct intersection plot: 100 50  $-c=s^2-3s+3$ -50 - c=21 - 6 s -100F -150 -200 Intersection 1 -50 - a=-m<sup>2</sup> - 3 m + 2 -  $a = \frac{49}{4} - 4 \text{ m}$ -100 Intersection 2 -150 -200 200 150 - j=2 d<sup>2</sup> + 3 d + 1 100 - j=9 d -  $\frac{27}{2}$ 50 -5 -50 -100 Tangent Line -50- $- f = -2 x^2 + x + 2$ -100 -- f=20 – 7 x -150 -200 Solution 200 150 - j=2 d<sup>2</sup> + 3 d + 1 100