1. Which of the following is correct intersection plot: 100 50  $s=2 x^2 - x + 1$ s=99 - x 10 x -50 200 150 100  $e=m-2 m^2$ 50  $- e=3 m + \frac{21}{2}$ Tangent Line 5 -5 -50 -100 -150 200 150  $s=2 m^2 + 3$ 100  $s=-2 m - \frac{15}{2}$ 50 10 m 150  $k=2g^2-2g$ 100 k=-2g-10 Intersection 1 Intersection 2 10 g 200 150

 $-\frac{k=2}{3^2-2}\frac{g}{-k=-2}\frac{g-10}{g-10}$ Solution  $-\frac{s=2}{3^2-2}\frac{g}{-k=-2}\frac{g-10}{g-10}$   $-\frac{s=2}{3^2-2}\frac{m^2+3}{g-10}$   $-\frac{s=2}{3^2-2}\frac{m^2+3}{g-10}$   $-\frac{s=2}{3^2-2}\frac{m^2+3}{g-10}$   $-\frac{s=2}{3^2-2}\frac{m^2+3}{g-10}$   $-\frac{s=2}{3^2-2}\frac{m^2+3}{g-10}$   $-\frac{s=2}{3^2-2}\frac{m^2+3}{g-10}$