491. y - 1 = 2(x - 2)491. y - 1 = 2(x - 2)492. $y + 1 = -\frac{1}{9}x$ 493. $y - 1 = \frac{3}{2}(x - \frac{2}{3})$ 494. $y = -\frac{1}{5}x$ 495. $y - \frac{1}{6} = -\frac{7}{36}(x - 1)$ 496. $y - \frac{1}{5} = -\frac{25}{4}x$ 497. y - 2 = 10(x - 1)498. y + 6 = 2(x - 1) and y - 24 = 10(x - 5)499. no; f ' has a removable discontinuity at x=-5 $(-1 \neq 1)$ 500. no; f ' removable discontinuity at x=-2 $(-1 \neq 1)$ 501. no; f is not continuous so it can't be diff. $(2\neq-4)$ 502. yes; f ' is equal to 0 in both cases 503. no; f ' has a removable discontinuity at x=3 ($6 \neq 3$) 504. No; f ' has an infinite discontinuity at x=2505a: 5 505b.54505c. 8 505d. 2 505e. 6 505f. -1