9.6 Parametics Egutions

Constination of distances in relation to time

Tight and on wheel Route



1. Solve for t in first aquation  $\frac{z}{x} = t$ 2. Substitute for t in second equation  $y = b' - b'(\frac{z}{x})^2 = b' - b'(\frac{z}{4}x^2) = b' - 4x^2$ 

Solving for Values y = 0 x = 20t  $y = 5 - 16t^{2}$   $\frac{x}{20} = t$   $y = 5 - 16\frac{x}{20}$   $0 = 5 - \frac{16x^{2}}{1900}$   $-5 = -\frac{16x^{2}}{1900}$   $\frac{2000}{16} = \frac{16x^{2}}{16}$   $\frac{16}{16} = \frac{16x^{2}}{16}$   $\frac{16}{16} = \frac{16x^{2}}{16}$ 

