







40 -40 - 1 20+x 20+x Multiply by (20-2) (20+2): 40(20+x)-40(20-x) 800+40x-800+40x 80x = 400-x<sup>2</sup> = x2+80x - 400 Solve quadratic:  $) (= -80 \hat{A} \pm \sqrt{80^2 + 4 \times 400})$ =-80A + V8000 - 80 A ±89-44 speed of etream = 4.72 km/hz