```
6,5
                                                                               2,16,18
      f(x)=sm(4x) [-17,17] f_{ave}=\pi-\pi \int sm(4x)dx
                                                  = = = (= ( = cos (4x)) ( "
                                         = zfr (- q) (cos(4p) - cos(-4p))
                                                        even function cos(-40) = cos(40)
                                          M = 20(4) + 50(4) + 63(4)
6) f(2) = 20
     f(6) = 50
                             = 532
                                                                      for more accurately, use
                                                                      fa), fa), fa), fa), fa), fa)
                           AV6= 44.3 F(5)=44.3 mph
     f(10)=63
(6) V(r) = 47 (R2-12) (3) Vave = [ 47 (R2-12) dr](R-0)
                      Vare (P) (470) (R-1)2r
                                          \left(R^{2}r - \frac{r^{3}}{3}\right)^{2} = R^{3} - \frac{R^{3}}{3} = \frac{2R^{3}}{3}
                                    \left(\frac{1}{4\eta l}\right)\left(\frac{2R^3}{3}\right) = \frac{PR}{6\eta l}
                       VAVE - 671
                         V = 0
```

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