











 61) The force F (in newtons) of a hydraulic cylinder in a press is proportional to the square of sec(x), where x is the distance (in meters) that the cylinder is extended in its cycle. The domain of F is [0, π/3], and F(0) = 500. use this to find k a) Find F as a function of x. F = \$
$\frac{1}{\frac{1}{3}} = 0$ $= \frac{1500}{1} \left[\sqrt{3} - 0 \right] = \frac{1500\sqrt{3}}{1}$ $= \frac{1500}{1} \left[\sqrt{3} - 0 \right] = \frac{1500\sqrt{3}}{1}$

