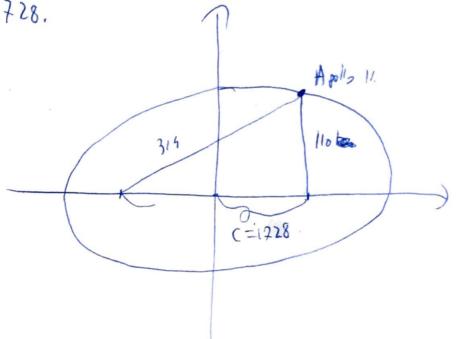
Worksheet 26;

Exercise 1: Apollo 11 sporecraft was placed in an elliptical liner orbit with personne altitude 110 km and apoline altitude 314 km.
Rodin of moon is 1728.

314+110= 424= 20=)

27670

$$=$$
) $C = 0^2 - 5^2 = 1$



Exercise 7:

$$x^{2} + y^{2} = 1$$
.
$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$5 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$6 = 0$$

$$7 = 0$$

$$7 = 0$$

$$8 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9 = 0$$

$$9$$

$$\int_{-1}^{1} (x) z \left(b \left(1 - \frac{x^2}{a^2} \right)^{\frac{1}{2}} \right) = b \cdot \frac{1}{2} \cdot \left(1 - \frac{x^2}{a^2} \right)^{\frac{1}{2}} \cdot \left(\frac{-2x}{a^2} \right) =$$

$$= \left[\frac{-b^{\chi}}{a^{2}} \cdot \frac{1}{\sqrt{1-\frac{x^{2}}{a^{2}}}} \right] = \int_{a}^{b} (x)$$

$$(\int_{a}^{1} (4))^{2} = \frac{b^{2} + 2}{a^{4}} - \frac{1}{1 - \frac{x^{2}}{a^{2}}} = \frac{b^{2} + 2}{a^{4}} - \frac{1}{a^{2} - x^{2}} = \frac{1}{a^{4}}$$

$$= \frac{b^{2} x^{2}}{a^{2} x^{2}} \cdot \frac{a^{2}}{a^{2} - x^{2}} = \frac{b^{2} x^{2}}{a^{4} - a^{2} x^{2}} = \left(\int_{0}^{1} \zeta_{4}\right)^{2}.$$

Everise 6 Find central of upper half of ellipse 9x2+4y2=36.

4y=36-9x2 =1 y= \(\frac{36+9x2}{4}\)

 $M_{3} = \rho \int_{0}^{\infty} x \cdot \sqrt{9 - \frac{9x^{2}}{6}} dx$

 $lh_{x} = \frac{p}{3} \left(3 - \frac{3x^2}{4} \right) dx.$

 $M = P \cdot A = P \cdot \int \sqrt{g - \frac{g x^2}{a}} dx$

ten= my, yen= mx

Find the volume of an ellipse, if it = \(\b^2 \left(1 - \frac{\text{x}^2}{2} \right)'

 $V = 025 \text{ p.} (6^2(1-\frac{x^2}{a^2})) dx = 206^2 (1-\frac{x^2}{a^2}) dx = V$

Exercise 4 Area of the hyperbola 4x2-25y2=100 and vertical line through a focus. what we need $\frac{4x^2}{100} - \frac{100}{25x^2} = 1 = 1$ (=\a+b C= \25+4 = \29 25,385 $\frac{1}{9} = \frac{1}{25} =$ y= \(4x2 - 4 $\begin{cases} \sqrt{2x} & \sqrt{$

$$y'(t) = -2 \sin(4)$$

$$y'(t) = 3\cos(4)$$

$$= 3 \left(\frac{20}{5} \right) \left(\frac{1}{5} \frac{1}{10} \right) + \left(\frac{1}{5} \frac{1}{$$

$$\frac{1}{3}(x) \left[1 + \left(\frac{1}{3}(x)^{2}\right)^{2} - \frac{1}{3}\left(\frac{1}{3} - \frac{1}{3}x^{2}\right) + \frac{1}{3}\left(\frac{1}{3} - \frac{$$

$$= \int_{a^{2}}^{b} (41)^{2} = \int_{a^{2}}^{b} (41)^{2} = \int_{a^{2}}^{b} (41)^{2}$$

$$5 = 40.5$$
 $\int_{a^{2}} \int_{a^{2}} \sqrt{a^{4} - (a^{2} - b^{2})t^{2}} dx$