E.g: 12 = 40s(6)

Graph on the Cartesian plane

(0,4) had!

T is a real
number, so

1 2 20 has

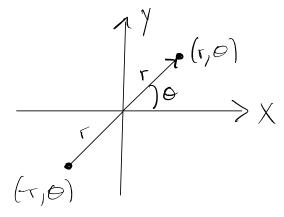
no salutions.

Instead of looking at oin [0, 11/2] U [311/2, 277], look of O in [-11/2, 11/2]

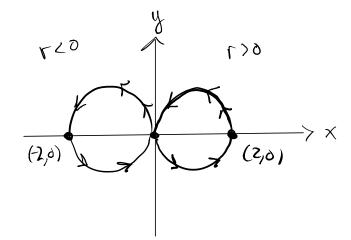
For a given value of O, r has two choices:

 $r = \sqrt{4}\cos(6) = 2\sqrt{\cos(6)}$ or $r = -\sqrt{4\cos(6)} = -2\sqrt{\cos(6)}$.

This says we have



Handle 170 case first.



Andrew Hustin, Teaching, Math 142 Old Exams/Solutions. Substitution - Modifies the interval

Term-by-Term Int/Diff & Don't change

Multiplaction Holdition Subserve the series

Converges to the function

Eg: Find the Maclaurin series for $\frac{1}{1+x^2}$

Tell me where it converges to the function.

$$\frac{1}{1+x^{2}} = \frac{1}{1-(-x^{2})} = \sum_{n=0}^{\infty} (-1)^{n} = \sum_{n=0}^{\infty} (-1)^{n} \times (-1)^{n}$$

$$\frac{1}{1-x} = \sum_{n=0}^{\infty} x^n \quad \text{on} \quad (-1,1), \quad |x|<1$$

Need -1 < -x2 < 1

$$1 > \chi^2 > -1$$

Eig.
$$\frac{1}{1-2x} = \sum_{n=0}^{\infty} (2x)^n = \sum_{n=0}^{\infty} 2^n x^n$$

$$= \sum_{n=0}^{\infty} (2x)^n = \sum_{n=0}^{\infty} 2^n x^n$$

Should know

$$\frac{1}{1+x} = \sum_{n=0}^{\infty} x^n = workhorse$$

$$\frac{1}{1+x} = \sum_{n=0}^{\infty} x^n = workhorse$$

$$\frac{1}{1+x} = \sum_{n=0}^{\infty} (-1)^n x^n = workhorse$$