$$\begin{cases} x^2 - 4y^2 = 0\\ (x^2 - y^2)(x^2 + y^2) = x + 13y \end{cases}$$

$$\begin{cases} (x-29)(x+29)=0 => x=29 \ v = -29 \\ x^{4}-y^{4}=x+13y \end{cases}$$

$$(x=2y)$$
 $(x=-2y)$ 
 $(16y^4-y^4=2y+13y)$ 
 $(16y^4-y^4=-2y+13y)$ 

$$459(y^3-1)=0$$
  $y(15y^3-11)=0$ 

$$(y=0 \ v \ y=1)$$
  $(y=0 \ v \ 15y^3-11=0)$   
 $(x=2y)$   $(y=0 \ v \ 15y^3-11=0)$ 

$$\begin{array}{c}
x = 0 \\
y = 0
\end{array}$$

$$\begin{array}{c}
x = 0 \\
y = 0
\end{array}$$

$$\begin{array}{c}
x = -2y
\end{array}$$

$$\begin{array}{c}
x = -2y
\end{array}$$

$$\begin{cases} x = 0 \\ y = 0 \end{cases} \begin{cases} x = -2\sqrt{15} \\ y = \sqrt{15} \end{cases}$$

$$(0,0)$$
  $(2,1)$   $\left(-2\sqrt[3]{11},\sqrt[3]{15}\right)$ 

$$\Delta = 0 \qquad (x-4)^2 > 0 \qquad S = \mathbb{R} - \{4\}$$

$$\Delta = 0 \qquad (x-4)^2 > 0 \qquad S = \mathbb{R} - \{4\}$$

$$\Delta = 0 \qquad (x-4)^2 > 0 \qquad [\forall x \in \mathbb{R}]$$

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