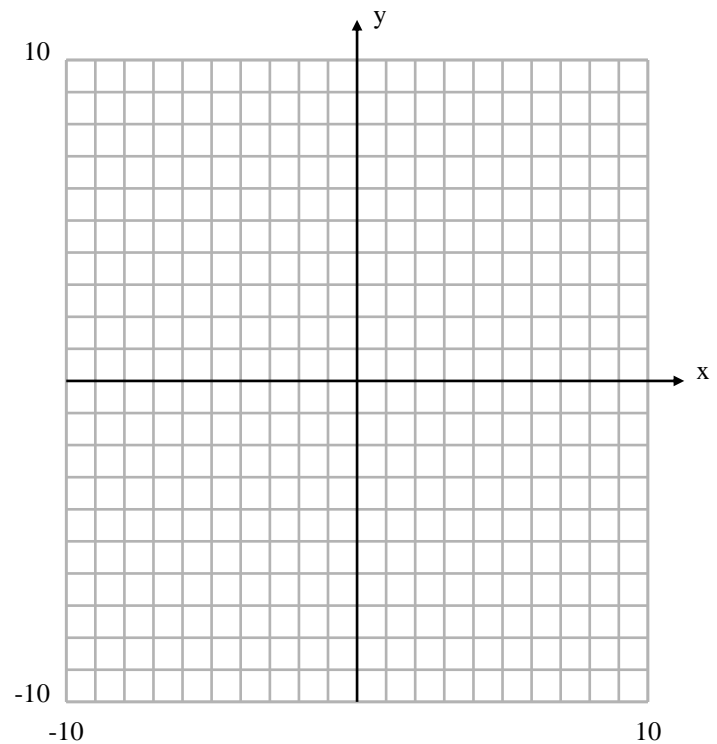


1. Complete the following.

- Find the points determined by $t = -3, -2, -1, 0, 1, 2,$ and 3 .
- Find a direct relationship between y and x and determine whether the parametric equations determine y as a function of x .
- Graph the relationship.

$$x = t + 1 \quad \text{and} \quad y = t^2 - 2t$$



2. Find a formula for $f^{-1}(x)$. Give the domain of f^{-1} , including any restrictions “inherited” from f .

$$f(x) = \sqrt{x+2}$$

3. Confirm that f and g are inverses by showing that $f(g(x)) = x$ and $g(f(x)) = x$.

$$f(x) = 2x^3 + 5 \quad \text{and} \quad g(x) = \sqrt[3]{\frac{x-5}{2}}$$