

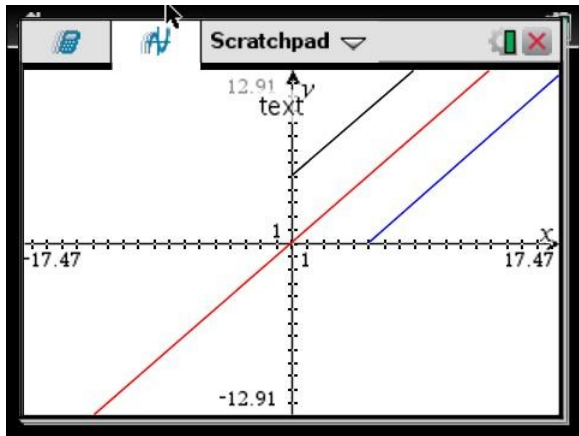
76.

$$f(x) = |x - 5|; x \geq 5$$

$$f^{-1}(x) = x + 5; x \geq 0$$

$$D_f : [5, \infty) \quad R_f : [0, \infty)$$

$$D_{f^{-1}} : [0, \infty) \quad R_{f^{-1}} : [5, \infty)$$



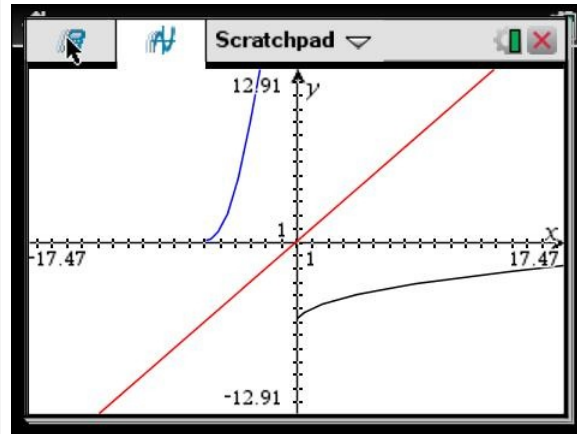
77.

$$f(x) = (x + 6)^2; x \geq -6$$

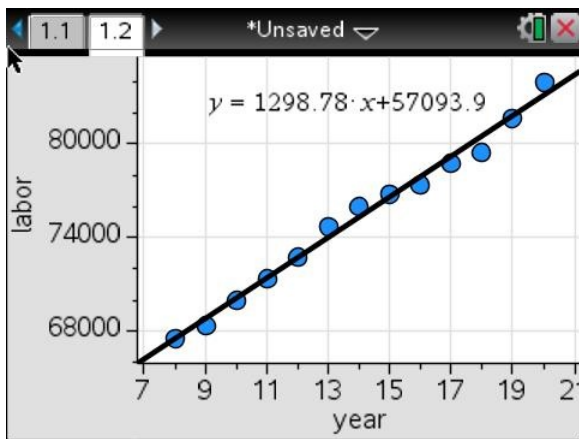
$$f^{-1}(x) = \sqrt{x} - 6$$

$$D_f : [-6, \infty) \quad R_f : [0, \infty)$$

$$D_{f^{-1}} : [0, \infty) \quad R_{f^{-1}} : [-6, \infty)$$

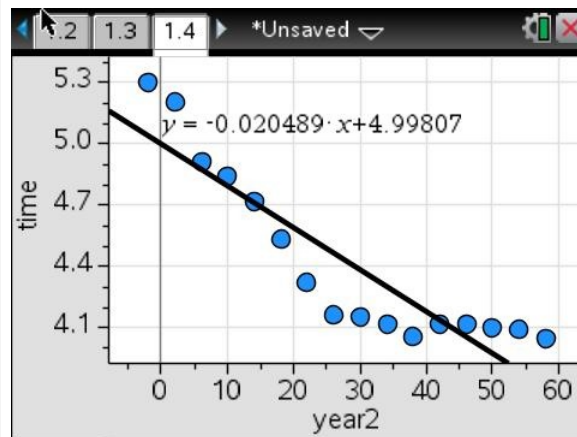


11.



12.

Linear regression is not a good fit.



Quadratic regression fits better. There might still be a better model.

