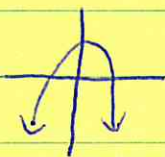


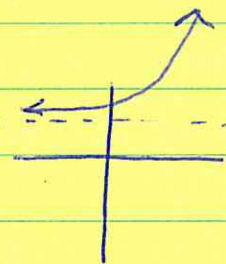
T/PC

Ch 1 Study Guide - Final Exam

1. Bounded above



2. Bounded below



3. $f^{-1}(x) = x^2 + 6$

w/ $D [0, \infty)$

4. $f^{-1}(x) = \sqrt[3]{x-6}$

no restrictions w/ D

5. $x=2$

(must include sketch + window)

6. $x=1.769$

(must include window + sketch)

7. $R [0, \infty)$

(include sketch)

8. $R [8, \infty)$

(include sketch)

9. $D (-\infty, -3) \cup (-3, 0) \cup (0, \infty)$

10. $f_2(x) = 85x$ is the best fit

(include sketch + window)

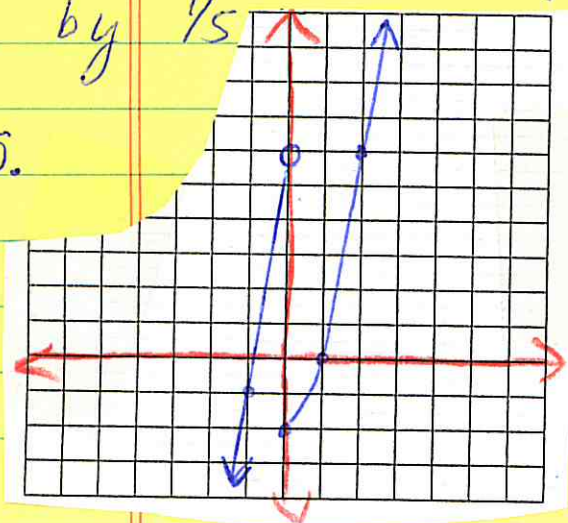
11. $y=x$, $y=x^3$, $y=\ln(x)$

12. reflect over x-axis + shift 14 units right

13. shrink horizontally by $1/5$

14. $f(g(x)) = x-3$

15.



16. $y = x^2 + 7x + 12$

17. $\frac{f(x)}{g} = \frac{\sqrt{x}}{2x-5}$

Must find specific pts to graph

$D [0, 5/2) \cup (5/2, \infty)$
Find w/ algebra!