## ALG2RCC Regents Review \#1

Directions: Choose the best answer. Answer ALL questions. Show ALL work in column 2. If there is no mathematical work to be shown, write an explanation or definition to support your answer! This counts as a quiz grade!!! YOU MUST WRITE YOUR FINAL ANSWER IN THE BOX!!


| 4. Solve the equation for $\mathrm{x}:$ |
| :--- | :--- |
| $5-3(x-6)=2(x-6)$ |$\quad$ Justify your answer!

Answers: 1) $f(g(-3)=6$
2) 2
3) $f^{-1}(x)=\frac{2}{3} x+\frac{2}{3}$
4) $x=7$
5) D: all reall numbers $\quad R: y \geq-16$

