

Name:

56245 Five Questions for Exam 1

Each Question will be worth 1 point on the exam. You are allowed to work and consult with you fellow students on this portion of the exam. Unlike the in class portion of the exam no partial credit will be given on this section, but you still must show your work to recieve credit. Your answers and substantiating work must be perfect to recieve credit.

Problem 1 (1 Point). *Rationalize the denominator:*

$$\frac{\sqrt{5}}{\sqrt{5}-1}$$

Problem 2 (1 point). *Solve $(x - 2)^2 = -6x - 5$*

Problem 3 (2 points). a) Solve $f(x) = g(x)$ where $f(x) = -2x - 1$ and $g(x) = x + 5$.

b) Graph $f(x)$ and $g(x)$ on the same Cartesian plan and label the point of intersection.

Problem 4 (1 point). Solve $\sqrt[3]{4t + 11} = 3$ for t .