# Exam 2

| Question # | Green Form Spring 2006 | Answer |
|---|---|---|
| 1 | B | $(-5,8)$ |
| 2 | C | $[-5,1]$ |
| 3 | E | None of the above ($f(1)=-1$) |
| 4 | D | $(-\infty,-1]\cup[4,\infty)$ |
| 5 | E | $\dfrac{a-2}{a^2+2a+3}$ |
| 6 | C | There is one solution. It is positive ($x=8$) |
| 7 | A | $(5,-3)$; radius$=\sqrt{42}$ |
| 8 | D | $(x+3)^2+(y-2)^2=4$ |
| 9 | B | II and III only |
| 10 | A | $x=-3\pm\sqrt{2}\,i$ |
| 11 | B | $\sqrt{(x+2)^2+(y-1)^2}=\sqrt{(x-6)^2+(y-3)^2}$ |
| 12 | D | $[-1,5)\cup(5,\infty)$ |
| 13 | B | $A=\dfrac{1}{6}t+20$ |
| 14 | E | $19,800+2,300x<21,500+1,800x$ |
| 15 | A | 10 feet by 10 feet |