Final exam Review answer key Precal 12

1. $\frac{\pi}{3}, \frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{2}; \frac{\pi}{3}+2\pi n, (2n+1)\frac{\pi}{2}, \frac{5\pi}{3}+2\pi n$ or $\frac{\pi}{2}+\pi n$
2. $\frac{\pi}{4}, \frac{3\pi}{4}, \frac{5\pi}{4}, \frac{7\pi}{4}; (2n+1)\frac{\pi}{4}$ or $\frac{\pi}{4}+\frac{\pi}{2}n$
3. $0, \frac{\pi}{2}, \frac{3\pi}{4}, \pi, \frac{3\pi}{2}, \frac{7\pi}{4}; \frac{n\pi}{2}, \frac{3\pi}{4}+\pi n$
4. a) $\frac{\pi}{2}$, 3.4, 6.0
   c) 1.2, $\frac{3\pi}{4}$, 4.3, $\frac{7\pi}{4}$
5. 11
6. GOOd luck
7. 11
8. $\cot^2 x$
9. $\csc^2 x$
10. $\frac{\sqrt{3}-1}{2\sqrt{2}} = \frac{\sqrt{6}-\sqrt{2}}{4}$
11. $\sqrt{3}/2$
12. $1/\sqrt{3} = \frac{\sqrt{3}}{3}$
13. $-3/2$
14. $1/13$
15. 5
16. $-1/2$
17. 3
18. $\log \frac{x^2}{y^6}$
19. 3.41
20. -26.36
21. $-1, 4$
22. $67/15$
23. 1056
24. $57,215