Trigonometry Sample Test Solutions

1) b. 1

2) c. The graph starting and ending with the value 1, with period $\dfrac{2\pi}{3}$

3) d. $\sqrt{85 - 42\sqrt{3}}$

4) d. $\cos 0$

5) d. $\dfrac{5}{\sqrt{3}}$

6) e. $\dfrac{\pi}{4}$

7) b. $-\sqrt{3}$

8) a. $2\sin(5\theta)\cos(5\theta)$

9) c. $\dfrac{13\pi}{12}$

10) d. $\dfrac{5}{\sqrt{89}}$

11) d. $\tan\theta$

12) d. All answers listed.

13) e. $\dfrac{1}{2}\tan x + 1$

14) c. $\dfrac{21}{13}$

15) d. $\left\{\dfrac{\pi}{3}, \dfrac{5\pi}{3}\right\}$