

# Trig Review Quiz 0-8 D

- \_\_\_\_\_1. What is  $\frac{\pi}{5}$  radians in degree measurement?  
A.  $108^\circ$                       B.  $36^\circ$                       C.  $24^\circ$                       D.  $98^\circ$
- \_\_\_\_\_2. Factor  $8n^3 + 125$   
A.  $(2n + 5)(4n^2 + 10n + 25)$                       B.  $(2n - 5)(4n^2 + 10n + 25)$   
C.  $(2n + 5)(4n^2 - 10n + 25)$                       D.  $(2n - 5)(8n^2 + 10n + 25)$
- \_\_\_\_\_3. If  $f(x) = 3x - 10$  and  $g(x) = 2x + 1$ , what is  $f(g(x))$ ?  
A.  $6x - 19$                       B.  $6x - 13$                       C.  $6x + 13$                       D.  $6x - 7$
- \_\_\_\_\_4. On a unit circle what point is associated with  $\frac{3\pi}{2}$ ?  
A.  $(1, 0)$                       B.  $(-1, 0)$                       C.  $(0, -1)$                       D.  $(0, 1)$
- \_\_\_\_\_5. What is the distance from  $(n, 3)$  to  $(n + 2, 7)$ ?  
A.  $2\sqrt{5}$                       B.  $5\sqrt{2}$                       C.  $5\sqrt{3}$                       D.  $3\sqrt{2}$
- \_\_\_\_\_6. Which is the equation that is parallel to  $y = 5x - 2$  and goes through  $(1, 1)$ ?  
A.  $5x - y = 4$                       B.  $5x - 2y = 3$                       C.  $5x + y = 6$                       D.  $-5x - y = -6$
- \_\_\_\_\_7. What is the midpoint of  $(1, 3n)$  and  $(7, n + 6)$ ?  
A.  $(4, 2n)$                       B.  $(4, 2n + 3)$                       C.  $(4, n + 3)$                       D. None of the above
- \_\_\_\_\_8. In which quadrant is  $-\frac{11\pi}{6}$ ?  
A. I                      B. II                      C. III                      D. IV
- \_\_\_\_\_9. What is the value of  $y$  in  $\begin{cases} 4x - 2y = 6 \\ 3x + y = 7 \end{cases}$ ?  
A.  $y = 1$                       B.  $y = 4$                       C.  $y = 2$                       D. None of the above
- \_\_\_\_\_10. In interval notation, what is  $y > 2$ ?  
A.  $(-\infty, 2)$                       B.  $(-\infty, 2]$                       C.  $(2, \infty)$                       D.  $[2, \infty)$