

**Student:** \_\_\_\_\_  
**Date:** \_\_\_\_\_  
**Time:** \_\_\_\_\_

**Instructor:** Andy Davis  
**Course:** MATH 130 -  
TRIGONOMETRY (4 UNITS) Fall  
2008  
**Book:** Sullivan: Trigonometry: A Unit  
Circle Approach, 8e

**Assignment:** Homework 1: Triangles,  
Distance and Circles

1. 26
2. 68
3. 10
4. the second choice  
the second choice
5. the first choice  
the fourth choice
6. 15
7.  $81\pi$   
 $18\pi$
8. 9  
90  
63  
27
9. 117.25  
59  
87  
34
10. 12.57
11. 130
12. 5.34
13. A  
the second choice  
A  
the first choice  
A  
the fourth choice
14. N/A

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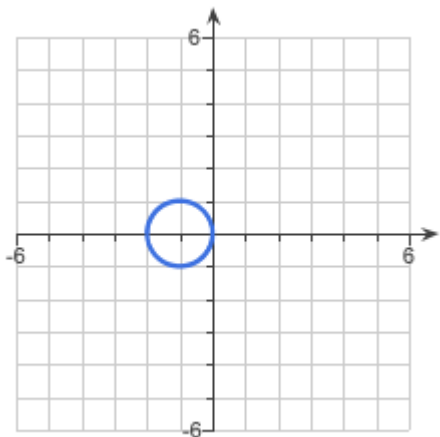
15.  $\sqrt{61}$
16.  $\sqrt{41}$
17.  $\sqrt{10}$
18.  $2\sqrt{10}$
19. C  
the first choice  
37
20. C  
180  
180  
36
21.  $(3, -2), (3, -8)$
22.  $6\sqrt{2}$   
 $3\sqrt{2}$   
 $3\sqrt{10}$   
the second choice
23. 84.85
24.  $10t\sqrt{53}$

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25.  $(x+1)^2 + y^2 = 1$   
 $x^2 + y^2 + 2x = 0$



26.  $(x-5)^2 + (y-2)^2 = 4$

27. C