

Precalculus 2 First Six Weeks Worksheet #1

I. Change to degrees, minutes and seconds

1. 124.33°

II. Write each measure as a decimal to the nearest thousandth.

2. $35^\circ 25' 50''$

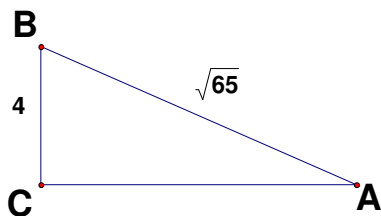
V. Find the measure of the reference angle for each angle.

7. 120°

8. 437°

VI. Find the sine, cosine and tangent of angle A in the given triangle.

9.



III. Give the angle measure represented by each rotation.

3. 4.5 rotations clockwise

4. 3.3 rotations counterclockwise

IV. Identify one positive and one negative angle that are coterminal to the given angle.

5. 45°

6. 150°

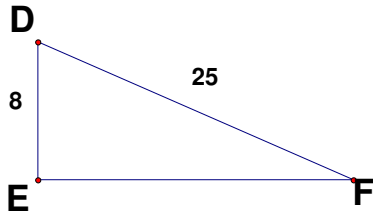
VII. Solve

10. If $\tan \theta = \frac{3}{4}$, find $\sec \theta$.

11. If $\csc \theta = \frac{\sqrt{41}}{5}$, find $\cot \theta$.

VIII. Find the values of the 6 trigonometric functions for each angle D.

12.



IX. Use the unit circle to find each value

13. $\sin 90^\circ$

14. $\cos 45^\circ$

15. $\tan 120^\circ$

16. $\sec(-225^\circ)$

17. $\csc(-30^\circ)$

X. Find the values of the six trigonometric functions for each angle.

18. 30°

19. 135°

XI. Solve

20. The terminal side of an angle in standard position contains the point (4, 7). Find the value of the six trigonometric functions of the angle.