

Student: _____
Date: _____
Time: _____

Instructor: Fred Khoury
Course: Math 2312-1000 Precalculus (Fall - 2015)
Book: Lial: College Algebra and Trigonometry, 4e

Assignment: Quiz Sec 2.1

1. Find the complement of an angle whose measure is 44° .

☐ A. 136°
☐ B. 44°
☐ C. 134°
☐ D. 46°

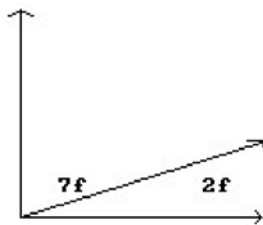
2. Find the supplement of an angle whose measure is 20° .

☐ A. 110°
☐ B. 160°
☐ C. 70°
☐ D. 200°

3. Find the supplement of an angle whose measure is 177° .

☐ A. 267°
☐ B. 3°
☐ C. 357°
☐ D. -87°

4. Find the measure of each angle in the problem.



☐ A. 140° and 40°
☐ B. 35° and 10°
☐ C. 70° and 20°
☐ D. 65° and 35°

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5. Evaluate.

$$251^{\circ}37' + 342^{\circ}50'$$

- ☐ A. $28^{\circ}27'$
☐ B. $28^{\circ}87'$
☐ C. $594^{\circ}87'$
☐ D. $594^{\circ}27'$

6. Evaluate.

$$90^{\circ} - 76^{\circ}59'$$

- ☐ A. $14^{\circ}59'$
☐ B. $13^{\circ}1'$
☐ C. $13^{\circ}59'$
☐ D. $14^{\circ}1'$

7. Convert the angle to decimal degrees and round to the nearest hundredth of a degree.

$$43^{\circ}52'14''$$

- ☐ A. 43.83°
☐ B. 43.87°
☐ C. 43.88°
☐ D. 43.93°

8. Convert the angle to degrees, minutes, and seconds.

$$133.33^{\circ}$$

- ☐ A. $133^{\circ}17'36''$
☐ B. $133^{\circ}19'48''$
☐ C. $133^{\circ}20'59''$
☐ D. $133^{\circ}19'36''$

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9. Find the angle of smallest possible positive measure coterminal with the given angle.

1291°

- ☐ A. 571°
☐ B. 121°
☐ C. 211°
☐ D. 31°

10. Convert the angle to radians.

390°

- ☐ A. $\frac{13\pi}{5}$
☐ B. $\frac{13\pi}{6}$
☐ C. $\frac{13\pi}{3}$
☐ D. $\frac{13\pi}{12}$

11. Convert the angle to radians.

-450°

- ☐ A. $-\frac{5\pi}{4}$
☐ B. -5π
☐ C. $\frac{5\pi}{2}$
☐ D. $-\frac{5\pi}{2}$

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12. Convert the radian measure to degrees.

$$-\frac{5\pi}{2}$$

- ☐ A. -450°
☐ B. -451°
☐ C. -450.5°
☐ D. -449.5°

13. Convert the radian measure to degrees.

$$\frac{9\pi}{8}$$

- ☐ A. $160\pi^\circ$
☐ B. 405°
☐ C. 160°
☐ D. 202.5°