Lesson 5.1 Practice: Fundamental Identities

School Launch · Trigonometry · Unit 5: Trigonometric Identities · Worksheet A

Scientific calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. $\sin\theta = -\frac{3}{5}$ and θ is in Quadrant III. Find $\cos\theta$ and $\tan\theta$. EASY

2. $\sin\theta = \frac{20}{29}$ and θ is in Quadrant II. Find $\cos\theta$ and $\tan\theta$. EASY

3. $\sin\theta = -\frac{7}{25}$ and θ is in Quadrant III. Find $\cos\theta$ and $\tan\theta$. EASY

4. $\sin\theta = -\frac{8}{17}$ and θ is in Quadrant IV. Find $\cos\theta$ and $\tan\theta$. MEDIUM

5. $\sin\theta = \frac{5}{13}$ and θ is in Quadrant II. Find $\cos\theta$ and $\tan\theta$. MEDIUM

6. $\sin\theta = \frac{3}{5}$ and θ is in Quadrant II. Find $\cos\theta$ and $\tan\theta$. MEDIUM

7. $\sin\theta = \frac{9}{41}$ and θ is in Quadrant II. Find $\cos\theta$ and $\tan\theta$. MEDIUM

8. $\sin\theta = -\frac{5}{13}$ and θ is in Quadrant III. Find $\cos\theta$ and $\tan\theta$. HARD

9. $\sin\theta = \frac{7}{25}$ and θ is in Quadrant II. Find $\cos\theta$ and $\tan\theta$. HARD

10. $\sin\theta = -\frac{3}{5}$ and θ is in Quadrant IV. Find $\cos\theta$ and $\tan\theta$. HARD