The Pythagorean identity

Name _____ Date _____

1. $\cos\theta = \frac{40}{41}$, θ in quadrant I: $\tan\theta =$ _____

2. $\sin\theta = -\frac{7}{25}$, θ in quadrant IV: $\cos\theta =$ _____

3. $\cos\theta = \frac{12}{13}$, θ in quadrant IV: $\sin\theta =$ _____

4. $\sin\theta = -\frac{5}{13}$, θ in quadrant IV: $\cos\theta =$ _____

5. $\cos\theta = \frac{21}{29}$, θ in quadrant IV: $\tan\theta =$ _____

6. $\sin\theta = \frac{9}{41}$, θ in quadrant I: $\tan\theta =$ _____

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7. $\sin\theta = -\frac{8}{17}$, θ in quadrant III: $\tan\theta =$ _____

8. $\cos\theta = \frac{4}{5}$, θ in quadrant I: $\tan\theta =$ _____

9. $\cos\theta = \frac{12}{13}$, θ in quadrant I: $\sin\theta =$ _____

10. $\cos\theta = -\frac{12}{13}$, θ in quadrant III: $\tan\theta =$ _____

11. $\cos\theta = -\frac{12}{13}$, θ in quadrant II: $\tan\theta =$ _____

12. $\sin\theta = -\frac{3}{5}$, θ in quadrant III: $\tan\theta =$ _____