8. $\cos 225° = -\cos 45° = -\frac{1}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$

10. $\tan 330° = -\tan 30° = -\frac{1}{\sqrt{3}} = -\frac{\sqrt{3}}{3}$

12. $\sec(-60°) = \sec 60° = \dfrac{1}{\cos 60°} = 2$

14. $\cot 210° = \cot 30° = \dfrac{1}{\tan 30°} = \sqrt{3}$

16. $\sec 120° = -\sec 60° = -\dfrac{1}{\cos 60°} = -2$

18. $\cos 660° = \cos 60° = \frac{1}{2}$

20. $\sin(\frac{5\pi}{3}) = -\sin(\frac{\pi}{3}) = -\frac{\sqrt{3}}{2}$

22. $\cos(\frac{7\pi}{3}) = \cos(\frac{\pi}{3}) = \frac{1}{2}$

24. $\tan(\frac{5\pi}{6}) = -\tan(\frac{\pi}{6}) = -\frac{1}{\sqrt{3}} = -\frac{\sqrt{3}}{3}$

26. $\csc(\frac{5\pi}{4}) = -\csc(\frac{\pi}{4}) = -\frac{1}{\sin(\frac{\pi}{4})} = -\sqrt{2}$

28. $\cos(\frac{7\pi}{4}) = \cos(\frac{\pi}{4}) = \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{2}$

30. $\sin(\frac{11\pi}{6}) = -\sin(\frac{\pi}{6}) = -\frac{1}{2}$

32. Since both $\tan\theta$ and $\sin\theta$ are negative, θ is in quadrant IV.

34. Since $\csc\theta > 0 \quad \Rightarrow \quad \sin\theta > 0$ and $\cos\theta < 0$, θ is in quadrant II.

42. $\cos\theta = -\frac{7}{12}$. Since θ is in quadrant III, $y = -\sqrt{12^2 - 7^2} = -\sqrt{95}$, and so $\sin\theta = -\frac{\sqrt{95}}{12}$, $\tan\theta = \frac{\sqrt{95}}{7}$, $\csc\theta = -\frac{12}{\sqrt{95}}$, $\sec\theta = -\frac{12}{7}$, $\cot\theta = \frac{7}{\sqrt{95}}$.