Trigonometric Values Given A Point

$$x^2 + y^2 = r^2 \quad \rightarrow \quad r = \sqrt{(\quad)^2 + (\quad)^2}$$

$$\sin\theta = \frac{y}{r} \qquad \cos\theta = \frac{x}{r} \qquad \tan\theta = \frac{y}{x} \qquad \csc\theta = \frac{r}{y} \qquad \sec\theta = \frac{r}{x} \qquad \cot\theta = \frac{x}{y}$$

Find the exact values (no decimals of the six trigonometric functions of an angle Θ in standard position whose terminal side contains the given point.

1. (4, -3) $r = \sqrt{(\quad)^2 + (\quad)^2}$ sin θ = ____ csc θ = _____ cos θ = ___ sec θ = ____ tan θ = ___ cot θ = ____	2. (-12, 5) $r = \sqrt{(\quad)^2 + (\quad)^2}$ sin θ = ____ csc θ = _____ cos θ = ___ sec θ = ____ tan θ = ___ cot θ = ____
3. (-5, -7) $r = \sqrt{(\quad)^2 + (\quad)^2}$ sin θ = ____ csc θ = _____ cos θ = ___ sec θ = ____ tan θ = ___ cot θ = ____	4. (2, 3) $r = \sqrt{(\quad)^2 + (\quad)^2}$ sin θ = ____ csc θ = _____ cos θ = ___ sec θ = ____ tan θ = ___ cot θ = ____
5. (15, 8) $r = \sqrt{(\quad)^2 + (\quad)^2}$ sin θ = ____ csc θ = _____ cos θ = ___ sec θ = ____ tan θ = ___ cot θ = ____	6. (5, 2) $r = \sqrt{(\quad)^2 + (\quad)^2}$ sin θ = ____ csc θ = _____ cos θ = ___ sec θ = ____ tan θ = ___ cot θ = ____

7. (-1, -7) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____	8. (-1, 1) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____
9. (-8, 6) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____	10. (-9 , 40) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____
11. (7, -24) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____	12. (-2, -2) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____
13. (12, 9) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____	14. (-30, 16) $r = \sqrt{(\quad)^2 + (\quad)^2}$ $\sin\theta =$ ____ $\csc\theta =$ _____ $\cos\theta =$ ___ $\sec\theta =$ ____ $\tan\theta =$ ___ $\cot\theta =$ ____