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Use sum or difference identities to find the exact value of each trigonometric function.

$$14. \cos 105^\circ \quad \frac{\sqrt{2} - \sqrt{6}}{4} \quad 15. \sin 165^\circ \quad \frac{\sqrt{6} - \sqrt{2}}{4} \quad 17. \sin \frac{\pi}{12} \quad \frac{\sqrt{6} - \sqrt{2}}{4}$$

Find each exact value if $0 < x < \frac{\pi}{2}$ and $0 < y < \frac{\pi}{2}$.

$$27. \cos(x - y) \text{ if } \cos x = \frac{3}{5} \text{ and } \cos y = \frac{4}{5} \quad \frac{24}{25}$$

$$31. \sec(x - y) \text{ if } \csc x = \frac{5}{3} \text{ and } \tan y = \frac{12}{5} \quad \frac{65}{56}$$