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a. If
$$\sec \theta = \frac{3}{2}$$
, find $\cos \theta$. $\neq \frac{3}{3}$

$$\cos \theta = \frac{1}{3\sqrt{2}} = 1 \cdot \frac{3}{3}$$

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b. If $\csc \theta = \frac{4}{3}$, find $\tan \theta$.

$$Sin^{2}\theta + \omega s^{2}\theta = \frac{3}{4}$$

$$SIn^{4}\theta + \omega s^{2}\theta = \frac{3}{4}$$

$$1 + \cot^{2}\theta = \cot^{2}\theta$$

$$1 + \cot^{2}\theta = \frac{16}{9} - \frac{9}{9}$$

$$1 + \cot^{2}\theta = \frac{16}{9$$