Refer to the figure and identify each of the named trigonometric ratios with one of the following quotients: $\frac{a}{b}, \frac{b}{a}, \frac{a}{c}, \frac{c}{a}, \frac{b}{c}, \frac{c}{b}$. Try not to look back in your notes or text.

1. $\cos\theta$ 2. $\sin\theta$ 3. $\tan\theta$

4. $\cot\theta$ 5. $\sec\theta$ 6. $\csc\theta$

Refer to the figure and identify each of the quotients with a named trigonometric ratio from the following list: $\sin\theta, \cos\theta, \sec\theta, \csc\theta, \tan\theta, \cot\theta$. Try not to look back in your notes or text.

7. $\frac{b}{c}$ 8. $\frac{a}{c}$ 9. $\frac{b}{a}$

10. $\frac{a}{b}$ 11. $\frac{c}{b}$ 12. $\frac{c}{a}$

Answers:

1. $\frac{a}{c}$ 2. $\frac{b}{c}$ 3. $\frac{b}{a}$

4. $\frac{a}{b}$ 5. $\frac{c}{a}$ 6. $\frac{c}{b}$

7. $\sin\theta$ 8. $\cos\theta$ 9. $\tan\theta$

10. $\cot\theta$ 11. $\csc\theta$ 12. $\sec\theta$