Math worksheet on *'Trigonometry - Ratio Manipulation (Level 2)'*. Part of a broader unit on *'Trigonometry Fundamentals - Intro'*

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1 Solve the fraction for the '?' in terms of the variables and reduce.

$$cos = \frac{?}{hyp}$$

a $\frac{cos}{hyp}$ **b** $cos \cdot hyp$ **c** $\frac{hyp}{cos}$

2 Solve the fraction for the '?' in terms of the variables and reduce.

$$tan = \frac{opp}{?}$$

a $tan \cdot opp$ **b** $\frac{opp}{tan}$ **c** $\frac{tan}{opp}$

3 Solve the fraction for the '?' in terms of the variables and reduce.

$$sin = \frac{?}{hyp}$$

a $\frac{sin}{hyp}$ **b** $\frac{hyp}{sin}$ **c** $sin \cdot hyp$

4 Solve the fraction for the '?' in terms of the variables and reduce.

$$cos = \frac{adj}{?}$$

a $cos \cdot adj$ **b** $\frac{adj}{cos}$

5 Solve the fraction for the '?' in terms of the variables and reduce.

$$sin = \frac{opp}{?}$$

a $\frac{opp}{sin}$ **b** $sin \cdot opp$ **c** $\frac{sin}{opp}$

6 Solve the fraction for the '?' in terms of the variables and reduce.

$$tan = \frac{?}{adj}$$

a $tan \cdot adj$ **b** $\frac{tan}{adj}$ **c** $\frac{adj}{tan}$