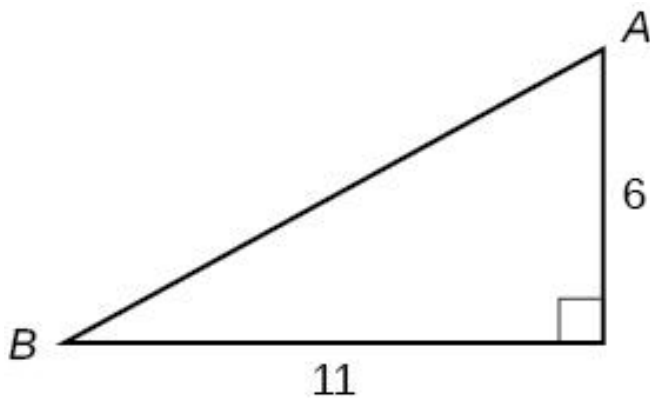


Name: _____ Block: _____

Exploring Sine and Cosine as Complements



1. $\sin A =$

4. $\sin B =$

2. $\cos A =$

5. $\cos B =$

3. $\tan A =$

6. $\tan B =$

$$\sin A = \cos B \text{ if } A + B = \underline{\hspace{2cm}}$$

Practice Sine and Cosine As Complements

1. $\cos 45^\circ \approx 0.707$. What is $\sin 45^\circ$?2. $\sin 85^\circ \approx 0.996$. Find the cosine of the complementary angle.3. Find the value of θ for which $\cos \theta = \sin 52^\circ$ is true.4. Find the value of θ for which $\sin \theta = \cos 2^\circ$ is true.5. $\cos 21^\circ \approx 0.934$. Use this information to write an equation for cosine.6. $\sin 20^\circ + \sin 10^\circ \approx 0.517$
Find θ if $\cos \theta + \cos 80^\circ \approx 0.517$