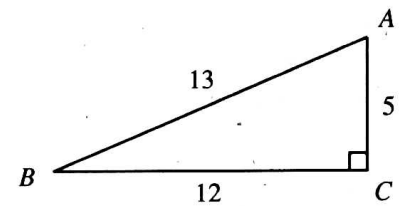


The Sine, Cosine, and Tangent Ratios

For use after Section 8-6

Use the diagram to express the ratio as a fraction.

1. $\sin A =$ _____
2. $\cos A =$ _____
3. $\cos B =$ _____
4. $\tan A =$ _____
5. $\tan B =$ _____
6. $\sin B =$ _____



Exs. 1-6

Complete. Use a scientific calculator or the table on page 311 of the text.

7. $\sin 3^\circ \approx$ _____
8. $\cos 30^\circ \approx$ _____
9. $\tan 48^\circ \approx$ _____
10. $\sin 79^\circ \approx$ _____
11. \cos _____ ≈ 0.9455
12. \sin _____ ≈ 0.8746
13. \tan _____ ≈ 2.4751
14. \cos _____ ≈ 0.6428

Use a scientific calculator or the table on page 311 of the text to find the values of the variables. Find lengths correct to the nearest integer and angles to the nearest degree.

