



_____ DATE _____

PERIOD _

 $\sin B = \frac{3}{8}; \cos B = \frac{\sqrt{55}}{8}; \qquad \sin B = \frac{2\sqrt{5}}{5}; \cos B = \frac{\sqrt{5}}{5};$

 $\tan B = 2$ 4. If $\sin \theta = \frac{3}{8}$, find $\csc \theta$. $\frac{8}{3}$

Find the values of the six trigonometric ratios for each \angle S.

NAME

Practice



7. *Physics* Suppose you are traveling in a car when a beam of light passes from the air to the windshield. The measure of the angle of incidence is 55°, and the measure of the angle of refraction is $35^{\circ} 15'$. Use Snell's Law, $\frac{\sin \theta_i}{\sin \theta_r} = n$, to find the index of refraction *n* of the windshield to the nearest thousandth. **about 1.419**

You can find

$$A = \frac{1}{2}bh$$
. In
the base, an
The vertice
by three ord
you can **en**
below.

∆n∩th€

A rectangle triangle all *Example*



0