MODULE ONE REVIEW ASSIGNMENT

Do this assignment on another sheet of paper and show your work.

DON'T WRITE ON THIS PAPER!

(3-1) 1. Express 39°24' in decimal degrees.

(3-1) 2. In right triangle ABC, \( \angle A = 39°24' \). Determine the measure of acute angle B.

In exercises 3-5, determine the trigonometric ratios to four significant digits of each acute angle as indicated for the right triangle to the right.

(3-2) 3. \( \sin \angle N \)

(3-2) 4. \( \cos \angle N \)

(3-2) 5. \( \tan \angle N \)

(3-3) 6. Use the trigonometric ratios table in the appendix of the textbook to find the tangent of 37°.

(3-3) 7. Use the trigonometric ratios table in the appendix of the textbook to find the angle measure that comes closest to having a sine ratio of 0.8567.

(3-4) 8. Choose what we would use (angle-sum principle, sine, cosine, tangent, or Pythagorean theorem) to determine the length of side 'f' in the right triangle shown to the right.

(3-4) 9. Determine the length of side 'd' to three significant digits in the triangle shown to the right.

(3-4) 10. Determine the measure of angle B to the nearest tenth of a degree in the triangle shown below.