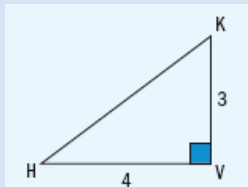


Chapter 11 / Example 4

Right-angled triangle trigonometry

Trigonometric calculations in degrees.

1 Find angle K .



Press **mode**.

Use the **◀ ▶ ▴ ▾** keys to place the cursor on DEGREE in the Mode menu, and then press **enter** to highlight it.

Press **2nd** **[quit]** to return to the home screen.

```
MATHPRINT CLASSIC
NORMAL SCI ENG
FLOAT 0 1 2 3 4 5 6 7 8 9
RADIAN DEGREE
FUNCTION PARAMETRIC POLAR SEQ
THICK DOT-THICK THIN DOT-THIN
SEQUENTIAL SIMUL
REAL a+bi re^(θi)
FULL HORIZONTAL GRAPH-TABLE
FRACTION TYPE: n/d Un/d
ANSWERS: AUTO DEC FRAC-APPROX
GO TO 2ND FORMAT GRAPH: NO YES
STAT DIAGNOSTICS: OFF ON
STAT WIZARDS: ON OFF
SET CLOCK 09/07/18 8:28PM
```

Press **2nd** **[tan⁻¹]** then press **~~XXXX~~** **[f1]** 1:n/d to add a fraction template.

```
tan⁻¹( )
```

Enter $\frac{4}{3}$ in the fraction template and close the parentheses.

Press **enter**.

$$K \approx 53.1^\circ$$

```
tan⁻¹( 4/3 )
53.13010235
```

$$r = \frac{21}{\sin 38^\circ}$$

Press **~~XXXX~~** **[f1]** 1:n/d and enter 21 in the numerator of the fraction template.

In the denominator press **sin**. Type 38 and close the parentheses press **enter**.

$$r = 34.1$$

```
tan⁻¹( 21/sin(38) )
34.10965416
```