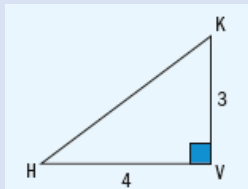


Chapter 11 / Example 4

Right-angled triangle trigonometry

Trigonometric calculations in degrees.

1 Find angle K .



Press **MENU** 1 **RUN-MAT** to display the Run-Matrix screen for arithmetical calculations.

Press **SHIFT** **MENU** (SETUP)

Scroll down using **▼** to Angle and change the setting to **F1** Deg.

Press **EXIT**.

```
Input/Output: Math
Mode          : Comp
Frac Result   : d/c
Func Type     : Y=
Draw Type     : Connect
Derivative    : Off
Angle         : Deg
Deg Rad Gra
```

Press **SHIFT** \tan^{-1} then press **□** to add a fraction template.

```
tan⁻¹ □
JUMP DELETE MAT/VCT MATH
```

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

Press **EXE**.

$K \approx 53.1^\circ$

```
tan⁻¹ 4/3
53.13010235
JUMP DELETE MAT/VCT MATH
```

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

Press **□** and enter 21 in the numerator of the fraction template.

In the denominator press **sin**. Type 38 and press **EXE**.

$r = 34.1$

```
tan⁻¹ 21/sin 38
53.13010235
34.10965416
JUMP DELETE MAT/VCT MATH
```