Triangles (30/60/90) - Hypotenuse and Short to Medium Side
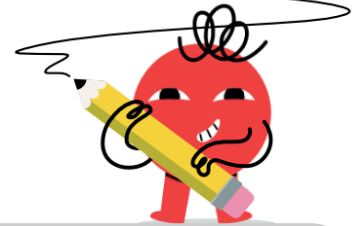
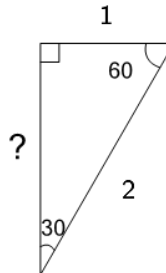## 1

Solve for the missing length on this triangle

$?$ · 30 · 60 · 7 · $\frac{7}{2}$
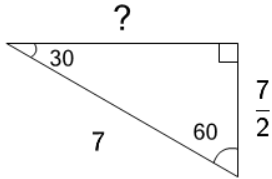
A $\dfrac{7\sqrt{2}}{2}$ **B** $\dfrac{7\sqrt{3}}{2}$

2

Solve for the missing length on this triangle

60 · 1 · $?$ · 2 · 30

A $\sqrt{2}$ **B** $\sqrt{3}$

3

Solve for the missing length on this triangle

$\frac{7}{2}$ · 60 · $?$ · 7 · 30
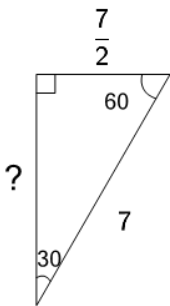
A 7 **B** $\dfrac{7\sqrt{3}}{2}$

4

Solve for the missing length on this triangle

60 · 2 · 1 · 30 · $?$
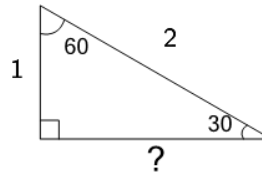
A 2 **B** $\sqrt{3}$

5

Solve for the missing length on this triangle

$?$ · 30 · 60 · 4 · 2
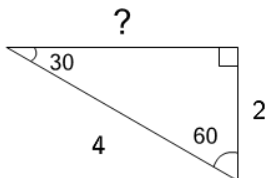
A 4 **B** $2\sqrt{3}$

6

Solve for the missing length on this triangle

$?$ · 30 · 60 · 2 · 1
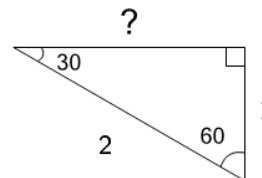
A 2 **B** $\sqrt{3}$

7

Solve for the missing length on this triangle

30 · 5 · $?$ · 60 · $\frac{5}{2}$
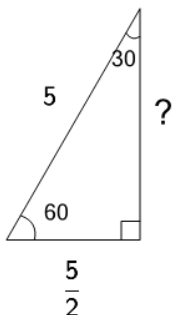
A $\dfrac{5\sqrt{3}}{2}$ **B** $\dfrac{5}{2}$

8

Solve for the missing length on this triangle

30 · 3 · $?$ · 60 · $\frac{3}{2}$

A $\dfrac{3}{2}$ **B** $\dfrac{3\sqrt{3}}{2}$