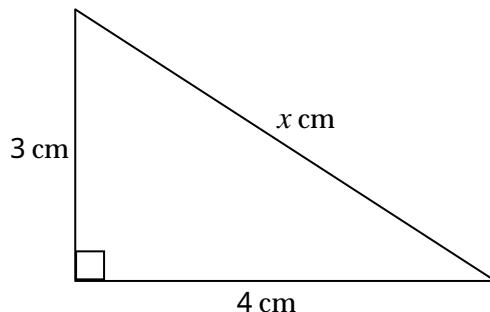


6章(三平方の定理) 1節(三平方の定理)

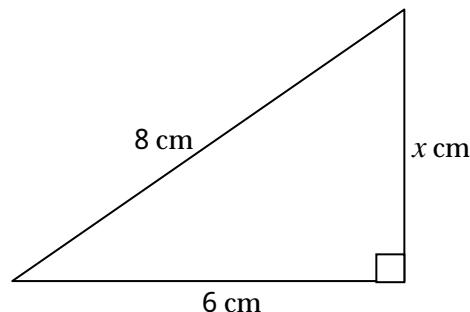
年 組 番

名前

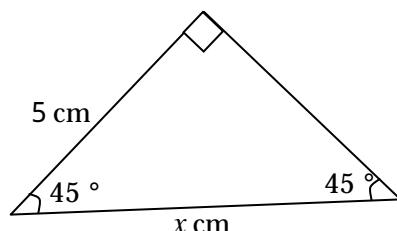
3. 直角三角形の辺の長さ

1. 次の直角三角形で、 x の値を求めなさい。

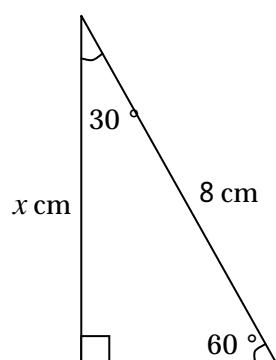
$$\begin{aligned}3^2 + 4^2 &= x^2 \\x^2 &= 25 \\x &= \pm \sqrt{5} \\x &> 0 \\x &= \sqrt{5}\end{aligned}$$



$$\begin{aligned}6^2 + x^2 &= 8^2 \\x^2 &= 28 \\x &= \pm \sqrt{28} \\x &= \pm 2\sqrt{7} \\x &> 0 \\x &= 2\sqrt{7}\end{aligned}$$



$$\begin{aligned}5^2 + 5^2 &= x^2 \\x^2 &= 50 \\x &= \pm 5\sqrt{2} \\x &> 0 \\x &= 5\sqrt{2}\end{aligned}$$



$$\begin{aligned}2 : \sqrt{3} &= 8 : x \\2x &= 8\sqrt{3} \\x &= 4\sqrt{3}\end{aligned}$$