

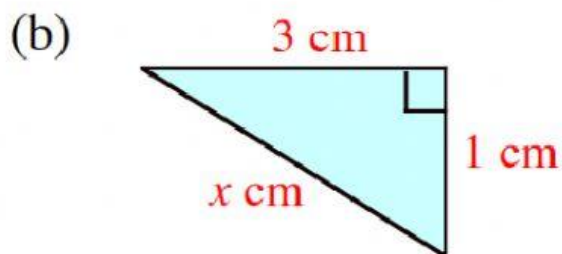
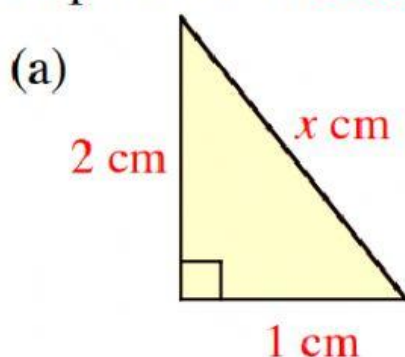
1. Which of the following are **surds** :-

(a) $\sqrt{2}$ (b) $\sqrt{49}$ (c) $\sqrt{121}$

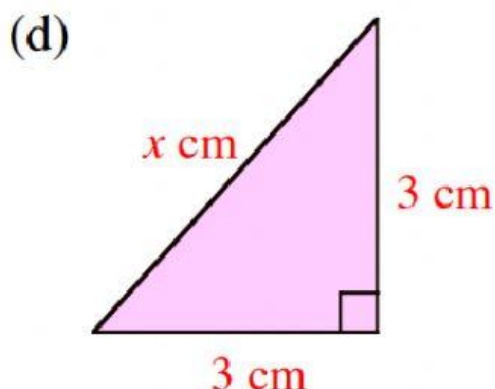
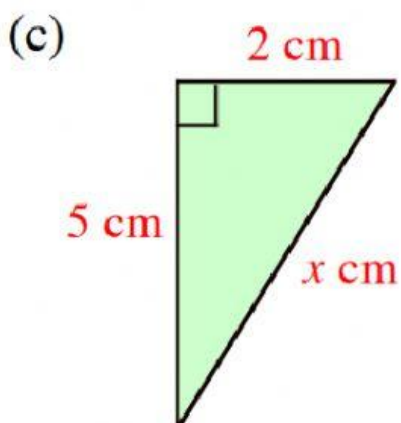
(d) $\sqrt{5}$ (e) $\sqrt[3]{1000}$ (f) $\sqrt{3}$

(g) $\sqrt[3]{27}$ (h) $\sqrt{8}$ (i) $\sqrt[3]{8}$.

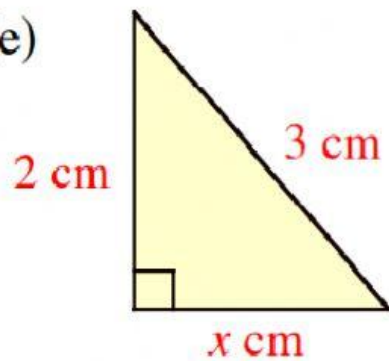
2. Express x as a **surd** each time here :-



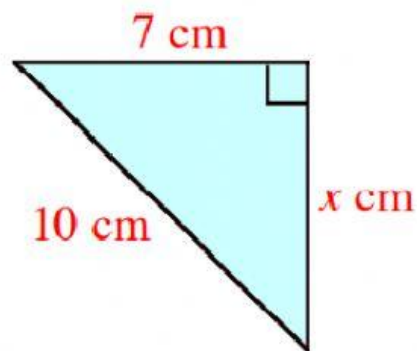
EV



(e)



(f)



3. Solve each equation giving each answer in **surd** form :-

(a) $x^2 - 1 = 1$

(b) $x^2 - 3 = 2$

(c) $x^2 + 1 = 3$

(d) $x^2 + 1 = 9$

(e) $x^2 + 1 = 12$

(f) $3x^2 + 1 = 10$

(g) $2x^2 + 7 = 11$

(h) $5x^2 + 12 = 27.$