



CENTUM ACADEMY

Subject: Mathematics

Topic: Surds

Worksheet No: 1

I. Express the following as a complete surd

(1) $3\sqrt{2}$

(2) $2\sqrt{7}$

(3) $4\sqrt{3}$

(4) $20\sqrt{2}$

(5) $7\sqrt{2}$

(6) $3\sqrt[3]{2}$

(7) $2\sqrt[4]{2}$

(8) $a^4\sqrt[5]{b^2}$

(9) $x^3\sqrt[n]{y}$

(10) $a^2\sqrt{b^n}$

ANSWERS

1. $\sqrt{18}$
2. $\sqrt{28}$
3. $\sqrt{48}$
4. $\sqrt{800}$
5. $\sqrt{98}$
6. $\sqrt[3]{54}$
7. $\sqrt[4]{32}$
8. $\sqrt[5]{a^{20}b^2}$
9. $\sqrt[n]{x^{3n}y}$
10. $\sqrt{a^4b^n}$

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