

TD- IV La racine carrée

Exercice 1 : Écrire sous forme décimale :

$$a = \sqrt{25} = \boxed{} \quad ; \quad b = \sqrt{64} = \boxed{} \quad ; \quad c = \sqrt{46} = \boxed{} \quad ;$$

$$d = \sqrt{0,04} = \boxed{} \quad ; \quad e = \sqrt{-4} = \boxed{} \quad ; \quad f = \sqrt{121} = \boxed{}.$$

Exercice 2 : Compléter :

$$\text{a) } 7^2 = \boxed{} \quad \text{donc } \sqrt{\boxed{}} = 7 \quad ; \quad \text{b) } 15^2 = 225 \quad \text{donc } \sqrt{\boxed{}} = \boxed{}$$

$$\text{c) } \boxed{}^2 = 64 \quad \text{donc } \sqrt{64} = \boxed{} \quad ; \quad \text{d) } \boxed{}^2 = \boxed{} \quad \text{donc } \sqrt{\boxed{}} = 10 ;$$

$$\text{e) } \boxed{}^2 = \boxed{} \quad \text{donc } \sqrt{81} = \boxed{} \quad ; \quad \text{f) } 6^2 = \boxed{} \quad \text{donc } \sqrt{\boxed{}} = \boxed{}$$

Exercice 3 : Compléter :

$$\text{a) } \sqrt{3^2} = \boxed{} \quad ; \quad \text{b) } \sqrt{19} \times \sqrt{19} = \boxed{} \quad ;$$

$$\text{c) } (\sqrt{15})^2 = \boxed{} \quad ; \quad \text{d) } \sqrt{(-5)^2} = \boxed{} \quad ;$$

$$\text{e) } \sqrt{\boxed{}^2} = 12 \quad ; \quad \text{f) } -\sqrt{6} \times \sqrt{6} = \boxed{}.$$