

EXERCICE 1B.1

Calculer :

$$A = (\sqrt{2} + 1)(\sqrt{2} + 3)$$

$$B = (\sqrt{5} + 2)(1 + \sqrt{5})$$

$$C = (\sqrt{2} + 1)(\sqrt{2} - 3)$$

$$D = (\sqrt{2} + 1)(\sqrt{2} - 1)$$

EXERCICE 1B.3

Calculer :

$$A = 3\sqrt{2}(\sqrt{2} + 1)$$

$$B = (2\sqrt{5} + 2)(1 - 3\sqrt{5})$$

$$C = 7\sqrt{3}(3 - 5\sqrt{3})$$

$$D = (5\sqrt{2} - 4)(3 - 8\sqrt{2})$$

EXERCICE 1B.5

Calculer :

$$A = 2\sqrt{3}(7\sqrt{3})^2$$

$$B = 3\sqrt{7}(2 - 11\sqrt{7})^2$$

$$C = 2\sqrt{7}(1 - 3\sqrt{7})(2\sqrt{7} - 3)$$

EXERCICE 1B.2

Calculer :

$$A = (\sqrt{2} + 1)^2$$

$$B = (\sqrt{3} + 2)^2$$

$$C = (\sqrt{5} - 2)^2$$

$$D = (5 + \sqrt{7})^2$$

EXERCICE 1B.4

Calculer :

$$A = (3\sqrt{2} + 1)^2$$

$$B = (2\sqrt{3} + 1)^2$$

$$C = (2\sqrt{5} + 3)^2$$

$$D = \sqrt{2}(5 + 3\sqrt{2})^2$$

EXERCICE 1B.6

Développer :

$$A = (x + \sqrt{2})^2$$

$$B = (\sqrt{3} - x)^2$$

$$C = (x - 2\sqrt{5})(x + 2\sqrt{5})$$