

Exercice 1 Calculer :

$A = \sqrt{12} = \dots\dots\dots$

$D = 2\sqrt{45} = \dots\dots\dots$

$B = \sqrt{18} = \dots\dots\dots$

$E = 3\sqrt{20} = \dots\dots\dots$

$C = \sqrt{300} = \dots\dots\dots$

$F = 5\sqrt{54} = \dots\dots\dots$

Exercice 2 Calculer :

$A = 2\sqrt{3} - 6\sqrt{3} = \dots\dots\dots$

$C = -7\sqrt{3} - \sqrt{27} = \dots\dots\dots$

$B = -7\sqrt{2} - 12\sqrt{2} = \dots\dots\dots$

$D = 6\sqrt{5} - 5\sqrt{20} = \dots\dots\dots$

Exercice 3 Calculer :

$A = (2\sqrt{5})^2 = \dots\dots\dots$

$C = (4\sqrt{2})^2 = \dots\dots\dots$

$E = 2\sqrt{5} \times 4\sqrt{2} = \dots\dots\dots$

$B = (-3\sqrt{10})^2 = \dots\dots\dots$

$D = 3\sqrt{5} \times 2\sqrt{5} = \dots\dots\dots$

$F = -3\sqrt{10} \times 5\sqrt{3} = \dots\dots\dots$

Exercice 4 Calculer :

$A = 2\sqrt{3}(-2 - \sqrt{3}) = \dots\dots\dots$

$B = 4\sqrt{2}(2\sqrt{3} + \sqrt{2}) = \dots\dots\dots$

Exercice 5 Calculer :

$A = (1 + \sqrt{3})(-2\sqrt{3} + 4) = \dots\dots\dots$

$B = (2\sqrt{3} - \sqrt{2})(4\sqrt{2} + \sqrt{3}) = \dots\dots\dots$

Exercice 6 Calculer :

$A = (\sqrt{7} - \sqrt{5})^2 = \dots\dots\dots$

$C = (4 - 5\sqrt{3})^2 = \dots\dots\dots$

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

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

A faire à la maison, de préférence tout seul NOM :**Exercice 7** Calculer et donner les racines carrées sous forme simplifiée :

$A = 2\sqrt{5} + 3\sqrt{75} = \dots\dots\dots$

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

$C = 6\sqrt{2}(-3\sqrt{5} + \sqrt{2}) = \dots\dots\dots$

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

$E = (3 - 2\sqrt{3})^2 = \dots\dots\dots$