

# ☆☆☆ النشر و الجذور التربيعية ☆☆☆

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



$$b = (2\sqrt{3} - 3)(2\sqrt{3} + 4) = 12 + 8\sqrt{3} - 6\sqrt{3} - 12 = 2\sqrt{3}$$



$$c = (2\sqrt{5} - 1)(2\sqrt{5} + 1) = 20 + 2\sqrt{5} - 2\sqrt{5} - 1 = 19$$



$$d = (2 + 3\sqrt{2})(-3 + 2\sqrt{2}) = -6 + 4\sqrt{2} - 9\sqrt{2} + 12 = 6 - 5\sqrt{2}$$



$$e = (3 - 2\sqrt{2})(3 + 2\sqrt{2}) = 9 - 6\sqrt{2} + 6\sqrt{2} - 8 = 1$$



$$f = (5 - 2\sqrt{7})(5 - 3\sqrt{7}) = 25 - 15\sqrt{7} - 10\sqrt{7} + 42 = 67 - 25\sqrt{7}$$



$$g = (3\sqrt{3} - 2\sqrt{2})(3\sqrt{3} + 2\sqrt{2}) = 27 + 6\sqrt{6} - 6\sqrt{6} - 8 = 19$$

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