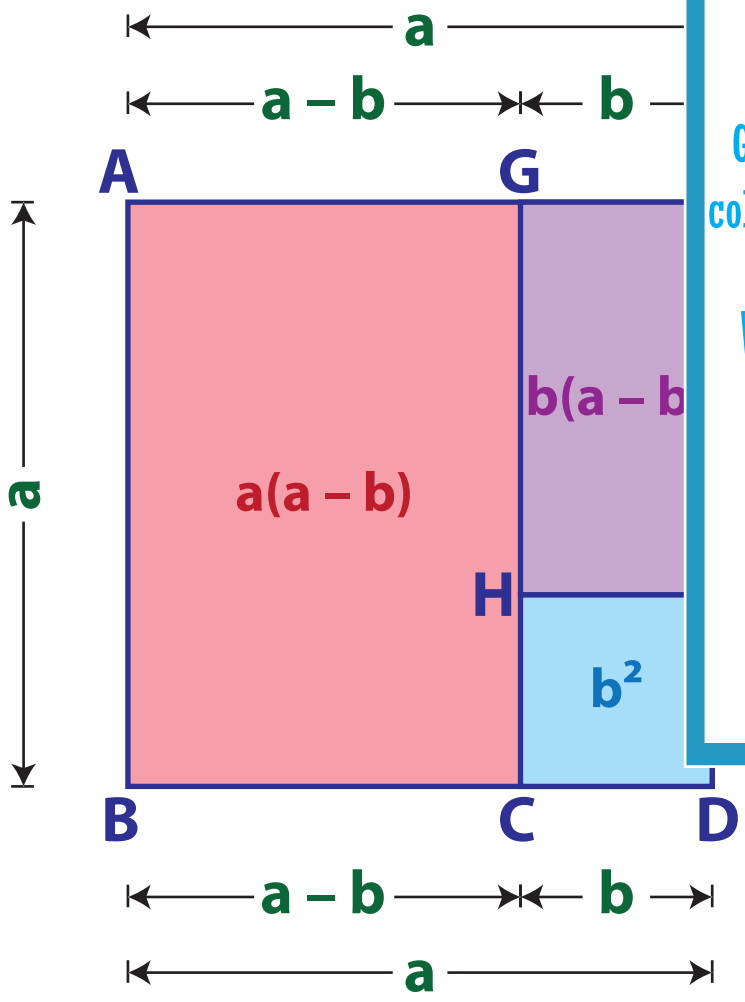
Name : _____

ALGEBRAIC IDENTITY - DIFFERENCE OF SQUARES

$a^2 - b^2 = (a + b)(a - b$



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ABDF = a^2.....(1)

CDEH = b^2.....(2)

le EFGH = b(a – b).....(3)

le ABCG = a(a – b).....(4)

) and (4) we have,

Area of CDEH + Area of EFGH + Area of ABCG

) + a(a – b) = b^2 + (a + b)(a – b)

(a – b)

$a^2 - b^2 = (a + b)(a - b)$