

S 3 TEST DIFFERENCE OF 2 SQUARES 2018

1.	Expand: i) $(2x - 5)^2$ ii) $(3x + 7)^2$
2.	Expand: i) $(x + 2)^2 + (x + 1)^2$ ii) $(3x + 2)^2 - (2x + 3)^2$
3.	Factorise: i) $9x^2 - 4y^2$ ii) $8x^3 - 2xy^2$
4.	Factorise: i) $12x^2y - 3yz^2$ ii) $18m^3 - 8mn^2$
5.	Factorise: i) $50a^5 - 8a^3b^2$ ii) $36x^3y - 225xy^3$
6.	Evaluate without using calculators i) $81^2 - 80^2$ ii) $1211^2 - 1210^2$

7.	Evaluate without using calculators i) $98^2 - 2^2$ ii) $0.998^2 - 0.002^2$
8.	Evaluate without using calculators i) $5.24^2 - 4.76^2$ ii) $10.08^2 - 10.02^2$
9.	Evaluate without using calculators i) $7.68^2 - 2.32^2$ ii) $1235^2 - 1234^2$
10.	Factorise: i) $(2x+1)^2 - 4$ ii) $(2x-1)^2 - (x+1)^2$
11.	Factorise: i) $(2x+3)^2 - (x-4)^2$ ii) $(2x+3)^2 - (x-2)^2$
12.	Factorise: i) $25 - (x-4)^2$ ii) $36 - 9(x-2)^2$