

☺ Factorise the following.

(1) $x^2 + 4x + 4$

(2) $y^2 + 10y + 25$

(3) $a^2 + 14a + 49$

(4) $4b^2 + 12b + 9$

(5) $9m^2 + 24m + 16$

☺ Factorise the following.

(6) $x^2 + 4xy + 4y^2$

(7) $a^2 + 10ab + 25b^2$

(8) $c^2 + 6cd + 9d^2$

(9) $4m^2 + 36mn + 81n^2$

(10) $9p^2 + 60pq + 100q^2$

☺ Factorise the following.

(11) $a^2 - 6a + 9$

(12) $m^2 - 12m + 36$

(13) $x^2 - 16x + 64$

(14) $9b^2 - 12b + 4$

(15) $25h^2 - 90h + 81$

☺ Factorise the following.

(16) $a^2 - 6ab + 9b^2$

(17) $x^2 - 12xy + 36y^2$

(18) $m^2 - 8mn + 16n^2$

(19) $16a^2 - 24ab + 9b^2$

(20) $25x^2 - 60xy + 36y^2$

☺ Factorise the following.

(21) $m^2 - 25$

(22) $k^2 - 49$

(23) $a^2 - 81$

(24) $4x^2 - 121$

(25) $16y^2 - 169$

☺ Factorise the following.

(26) $a^2 - b^2$

(27) $m^2 - 9n^2$

(28) $49x^2 - y^2$

(29) $36p^2 - 25q^2$

(30) $81c^2 - 49d^2$

☺ Factorise the following.

(31) $2x^2 - 8$

(32) $3a^2 - 75$

(33) $a^2m - b^2m$

(34) $a^2b^2 - c^2d^2$

(35) $x^2y^3z - x^2yz^3$

☺ Factorise the following.

(36) $m^4 - n^4$

(37) $16x^4 - 81y^4$

(38) $a^8 - b^8$

(39) $(x + y)^2 - (x - y)^2$

(40) $(3a - 2b)^2 - (4a + 3b)^2$