



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra Geometry

Class: 7

Date: 02. 05.20

Duration: 40 min

Worksheet -17

Full Marks: 15

## SPECIAL PRODUCTS

Choose the Correct options:

- 1.  $(2x^2+3y)(2x^2-3y)$ 
  - A)  $4x^4+9y^2$
  - B)  $4x^4-3y$
  - C)  $4x^4-9y^2$
  - D)  $2x^4-9y^2$
- 2.  $(x+2)(x+5)$ 
  - A)  $x^2-7x-10$
  - B)  $x^2+11x+10$
  - C)  $x^2-7x+10$
  - D)  $x^2+7x+10$
- 3.  $(3x+4y)(2x-3y)$ 
  - A)  $x^2+4y^2$
  - B)  $6x^2-xy-12y^2$
  - C)  $6x^2-3xy+4y^2$
  - D)  $12x^2+2xy+12y^2$
- 4.  $2a(3x-4y)$ 
  - A)  $6x-8ay$
  - B)  $2ax-8ay$
  - C)  $6ax+8ay$
  - D)  $6ax-8ay$
- 5.  $(2x+7)(3X-4)$ 
  - A)  $6X^2-13X-28$
  - B)  $6X^2+13X-28$
  - C)  $6X^2-13X-28$
  - D)  $6X^2+11X-28$
- 6.  $(X+7)(X+2)$ 
  - A)  $X^2+7X-14$
  - B)  $X^2+7X+14$
  - C)  $X^2+9X-14$
  - D)  $X^2+9X+14$
- 7.  $(2w+5z)^2$ 
  - A)  $4w^2+20wz+20z^2$
  - B)  $w^2+25wz+25z^2$
  - C)  $w^2+20wz+25z^2$
  - D)  $4w^2+20wz+25z^2$
- 8.  $(3u^3+4v^2)(3u^3-4v^2)$ 
  - A)  $9u^6+16v^4$
  - B)  $9u^6-64v^4$
  - C)  $81u^6-16v^4$
  - D)  $9u^6-16v^4$
- 9.  $(5x-2y)(3x+6y)$ 
  - A)  $15x^2+24xy-12y^2$
  - B)  $15x^2-24xy-12y^2$

- C)  $15x^2+12xy-12y^2$   
 D)  $15x^2+24xy+12y^2$
- 10.  $(x+y^2)^2$   
 A)  $x^2+2xy^2+y^4$   
 B)  $2x^2+2xy^2+y^4$   
 C)  $x^2+2xy^2+4y^4$   
 D)  $x^2+2xy^2+y^2$
- 11.  $2(x+3)$   
 A)  $2x+7$   
 B)  $2x+3$   
 C)  $2x-6$   
 D)  $2x+6$
- 12.  $(r+y)^2$   
 A)  $r^2+2ry+2y^2$   
 B)  $2r^2+2ry+y^2$   
 C)  $r^2+4ry+y^2$   
 D)  $r^2+2ry+y^2$
- 13.  $-7xy(3x^2+4y)$   
 A)  $-21x^3y-28xy^2$   
 B)  $-21x^3y+28xy^2$   
 C)  $21x^3y-28xy^2$   
 D)  $-7x^3y-28xy^2$
- 14.  $(2x+7y)(2x+7y)$   
 A)  $4x^2+28xy+49y^2$   
 B)  $x^2+28xy+49y^2$   
 C)  $4x^2+28xy+y^2$   
 D)  $4x^2+28xy+7y^2$
- 15.  $(2x+y)(2x-y)$   
 A)  $4x^2-y^2$   
 B)  $x^2+4xy+y^2$   
 C)  $x^2-2xy+y^2$   
 D)  $4x^2+4xy+y^2$