



# St. Lawrence High School



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Algebra Geometry

Class: 7

Date: 01.05.20

Duration: 40 min

Worksheet -16

Full Marks: 15

## SPECIAL PRODUCTS

Choose the Correct options:

Question 1

$$(7r-6)(7r+6)=$$

- a.  $49r^2+36$
- b.  $49r^2-36$
- c.  $49r^2+84r+36$
- d.  $49r^2+42r+36$

Question 2

$$(7r+6)(7r+6)=$$

- a.  $49r^2+36$
- b.  $49r^2-36$
- c.  $49r^2+84r+36$
- d.  $49r^2+42r+36$

Question 3

$$(u-5v)(u+5v)=$$

- a.  $u^2-25v^2$
- b.  $u^2+25v^2$
- c.  $u^2-10uv+25v^2$
- d.  $u^2+10uv+25v^2$

Question 4

$$(u-5v)(u-5v)=$$

- a.  $u^2-25v^2$
- b.  $u^2+25v^2$
- c.  $u^2-10uv+25v^2$
- d.  $u^2+10uv+25v^2$

Question 5

$$(a+b)(a+b)=$$

- a.  $a^2+b^2$
- b.  $a^2+4ab+b^2$
- c.  $a^2+2ab+b^2$
- d.  $2a^2+4ab+2b^2$

Question 6

$$(2u-4v)^2=$$

- a.  $4u^2-8uv+16v^2$
- b.  $4u^2-16uv+16v^2$
- c.  $4u^2-16v^2$
- d.  $4u^2+8uv+16v^2$

Question 7

$$(2u+4v)^2=$$

- a.  $4u^2+4uv+16v^2$
- b.  $4u^2+16uv+16v^2$
- c.  $4u^2+16v^2$
- d.  $4u^2+8uv+16v^2$

Question 8

$$(n^2-5)(n^2-5)=$$

- a.  $n^4-10n^2-25$
- b.  $n^4-5n^2-25$
- c.  $2n^4-10n^2+25$

d.  $n^4 - 10n^2 + 25$

Question 9

$(n^2 + 5)(n^2 + 5) =$

- a.  $n^4 + 10n^2 - 25$
- b.  $n^4 + 10n^2 + 25$
- c.  $2n^4 - 10n^2 + 25$
- d.  $n^2 + 10n + 25$

Question 10

$(10x + 12y)^2 =$

- a.  $100x^2 + 120xy + 144y^2$
- b.  $100x^2 + 240xy + 144y^2$
- c.  $20x^2 + 120xy + 24y^2$
- d.  $20x^2 + 120xy + 144y^2$

Question 11

$(-10y^2 + 4x)^2 =$

- a.  $100y^4 - 16x^2$
- b.  $-100y^4 + 16x^2$
- c.  $100y^4 + 80y^2x - 16x^2$
- d.  $100y^4 - 80y^2x + 16x^2$

Question 12

$(x + 4)^2 =$

- a.  $x^2 + 16$
- b.  $x^2 - 16$
- c.  $x^2 + 8x + 16$
- d.  $x^2 + 8x - 16$

Question 13

$(2y - 7)(3y + 5) =$

- a.  $6y^2 - 11y - 35$
- b.  $5y^2 - 11y - 35$
- c.  $6y - 11y - 35$
- d.  $6y^2 + 11y - 35$

Question 14

$(4a - 5)(2a - 9) =$

- a.  $8a^2 - 46a + 45$
- b.  $6a^2 - 36a + 45$
- c.  $8a - 36a + 45$
- d.  $8a^2 - 36a + 48$

Question 15

$(-x + 6)^2 =$

- a.  $x^2 + 12x + 36$
- b.  $x^2 - 12x - 36$
- c.  $x^2 - 12x + 36$
- d.  $x^2 + 12x - 36$