



St. Lawrence High School



A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Algebra Geometry

Class: 7

Date: 01.05.20

Duration: 40 min

Worksheet Solution -16
SPECIAL PRODUCTS

Full Marks: 15

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. $x^2 + 12x - 36$