

Quiz: Adding and Subtracting Radicals

**Question 1a of 15** ( 3 Adding and Subtracting Radicals 92023 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$\sqrt{28} + 8\sqrt{7}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| A.  | $9\sqrt{35}$ |          |
| B.  | $8\sqrt{35}$ |          |
| C.  | $12\sqrt{7}$ |          |
| *D. | $10\sqrt{7}$ | Correct! |

**Global Incorrect Feedback**

The correct answer is:  $10\sqrt{7}$ .

**Question 1b of 15** ( 3 Adding and Subtracting Radicals 295475 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$\sqrt{45} + 11\sqrt{5}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| A.  | $9\sqrt{45}$ |          |
| B.  | $8\sqrt{45}$ |          |
| *C. | $14\sqrt{5}$ | Correct! |
| D.  |              |          |

**Global Incorrect Feedback**

The correct answer is: .

**Question 1c of 15** ( 3 Adding and Subtracting Radicals 295476 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

Alg

|     | Choice       | Feedback |
|-----|--------------|----------|
| *A. | $10\sqrt{5}$ | Correct! |
| B.  | $13\sqrt{5}$ |          |
| C.  | $10\sqrt{5}$ |          |
| D.  | $9\sqrt{25}$ |          |

**Global Incorrect Feedback**

The correct answer is:  $10\sqrt{5}$ .

**Question 2a of 15** ( 3 Adding and Subtracting Radicals 92024 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$\sqrt{50} - \sqrt{2}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| *A. | $4\sqrt{2}$  | Correct! |
| B.  | $\sqrt{48}$  |          |
| C.  | 5            |          |
| D.  | $24\sqrt{2}$ |          |

**Global Incorrect Feedback**

The correct answer is:  $4\sqrt{2}$ .

**Question 2b of 15** ( 3 Adding and Subtracting Radicals 295477 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

|     | Choice | Feedback |
|-----|--------|----------|
| A.  |        |          |
| *B. |        | Correct! |
| C.  | 4      |          |
| D.  |        |          |

**Global Incorrect Feedback**

The correct answer is: .

Alg

### Question 2c of 15 ( 3 Adding and Subtracting Radicals 295478 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$\sqrt{18} - \sqrt{2}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| A.  | 3            |          |
| B.  | $\sqrt{18}$  |          |
| *C. | $2\sqrt{2}$  | Correct! |
| D.  | $18\sqrt{2}$ |          |

#### Global Incorrect Feedback

The correct answer is:  $2\sqrt{2}$ .

### Question 3a of 15 ( 3 Adding and Subtracting Radicals 92025 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$5\sqrt{10} + \sqrt{40} + \sqrt{90}$$

|     | Choice        | Feedback |
|-----|---------------|----------|
| A.  | $7\sqrt{10}$  |          |
| B.  | $18\sqrt{10}$ |          |
| C.  | $13\sqrt{10}$ |          |
| *D. | $10\sqrt{10}$ | Correct! |

#### Global Incorrect Feedback

The correct answer is:  $10\sqrt{10}$ .

### Question 3b of 15 ( 3 Adding and Subtracting Radicals 295479 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

|     | Choice | Feedback |
|-----|--------|----------|
| A.  |        |          |
| B.  |        |          |
| *C. |        | Correct! |
| D.  |        |          |

**Global Incorrect Feedback**

The correct answer is:  $13\sqrt{10}$ .

**Question 3c of 15** ( 3 Adding and Subtracting Radicals 295480 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

$$\sqrt{40} + 2\sqrt{10} + 3\sqrt{9}$$

|     | Choice        | Feedback |
|-----|---------------|----------|
| *A. | $7\sqrt{10}$  | Correct! |
| B.  | $18\sqrt{10}$ |          |
| C.  | $13\sqrt{10}$ |          |
| D.  | $10\sqrt{10}$ |          |

**Global Incorrect Feedback**

The correct answer is:  $7\sqrt{10}$ .

**Question 4a of 15** ( 3 Adding and Subtracting Radicals 92026 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

$$\sqrt{27} - \sqrt{12} + \sqrt{48}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| A.  | $29\sqrt{3}$ |          |
| B.  | $21\sqrt{3}$ |          |
| C.  |              |          |
| *D. |              |          |

**Global Incorrect Feedback**

The correct answer is: .

**Question 4b of 15** ( 3 Adding and Subtracting Radicals 295481 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

Alg

|     | Choice       | Feedback |
|-----|--------------|----------|
| *A. | $4\sqrt{3}$  | Correct! |
| B.  | $21\sqrt{3}$ |          |
| C.  | $9\sqrt{3}$  |          |
| D.  | $5\sqrt{3}$  |          |

**Global Incorrect Feedback**

The correct answer is:  $4\sqrt{3}$ .

**Question 4c of 15** ( 3 Adding and Subtracting Radicals 295482 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$\sqrt{20} - \sqrt{5} + \sqrt{45}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| *A. | $4\sqrt{5}$  | Correct! |
| B.  | $5\sqrt{5}$  |          |
| C.  | $9\sqrt{5}$  |          |
| D.  | $13\sqrt{5}$ |          |

**Global Incorrect Feedback**

The correct answer is:  $4\sqrt{5}$ .

**Question 5a of 15** ( 3 Adding and Subtracting Radicals 92027 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

|     | Choice | Feedback |
|-----|--------|----------|
| A.  | $-x^2$ |          |
| *B. |        | Correct! |
| C.  | 0      |          |
| D.  |        |          |

**Global Incorrect Feedback**

The correct answer is: .

Alg

### Question 5b of 15 ( 3 Adding and Subtracting Radicals 295483 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$5\sqrt{7} - 4x\sqrt{7} - x\sqrt{7}$$

|     | Choice                   | Feedback |
|-----|--------------------------|----------|
| A.  | $-x^2$                   |          |
| B.  | 0                        |          |
| *C. | $5\sqrt{7} - 5x\sqrt{7}$ | Correct! |
| D.  | $-2x\sqrt{7}$            |          |

#### Global Incorrect Feedback

The correct answer is:  $5\sqrt{7} - 5x\sqrt{7}$ .

### Question 5c of 15 ( 3 Adding and Subtracting Radicals 295484 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$6\sqrt{7} - 5x\sqrt{7} - x\sqrt{7}$$

|     | Choice                   | Feedback |
|-----|--------------------------|----------|
| A.  | $-x^2$                   |          |
| B.  | $-2x\sqrt{7}$            |          |
| C.  | 0                        |          |
| *D. | $6\sqrt{7} - 6x\sqrt{7}$ | Correct! |

#### Global Incorrect Feedback

The correct answer is:  $6\sqrt{7} - 6x\sqrt{7}$ .

### Question 6a of 15 ( 3 Adding and Subtracting Radicals 92028 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

|     | Choice | Feedback |
|-----|--------|----------|
| A.  |        |          |
| *B. |        | Correct! |
| C.  |        |          |
| D.  |        |          |

**Global Incorrect Feedback**

The correct answer is:  $6x\sqrt{2} - 3\sqrt{2}$ .

**Question 6b of 15** ( 3 Adding and Subtracting Radicals 295485 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$5x\sqrt{2} - 2\sqrt{2} + 2x\sqrt{2}$$

|     | Choice                   | Feedback |
|-----|--------------------------|----------|
| A.  | $3x\sqrt{2}$             |          |
| B.  | $x^2\sqrt{2}$            |          |
| C.  | $2x^2\sqrt{2}$           |          |
| *D. | $7x\sqrt{2} - 2\sqrt{2}$ | Correct! |

**Global Incorrect Feedback**

The correct answer is:  $7x\sqrt{2} - 2\sqrt{2}$ .

**Question 6c of 15** ( 3 Adding and Subtracting Radicals 295486 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$7x\sqrt{2} - 4\sqrt{2} - x\sqrt{2}$$

|     | Choice                   | Feedback |
|-----|--------------------------|----------|
| *A. | $8x\sqrt{2} - 4\sqrt{2}$ | Correct! |
| B.  | $6x\sqrt{2} - 3\sqrt{2}$ |          |
| C.  |                          |          |
| D.  |                          |          |

**Global Incorrect Feedback**

The correct answer is: .

**Question 7a of 15** ( 3 Adding and Subtracting Radicals 92029 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below when  $y = 0$ ?

Alg

|     | Choice                      | Feedback |
|-----|-----------------------------|----------|
| A.  | $\sqrt{10y^3} - 3y\sqrt{y}$ |          |
| B.  | $y\sqrt{10y} - 3y\sqrt{y}$  |          |
| C.  | $-2y\sqrt{11y}$             |          |
| *D. | $y\sqrt{y}$                 | Correct! |

**Global Incorrect Feedback**

The correct answer is:  $y\sqrt{y}$ .

**Question 7b of 15** ( 3 Adding and Subtracting Radicals 295487 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below when  $y \geq 0$ ?

$$\sqrt{y^3} + 2\sqrt{4y^3} - 3\sqrt{y}$$

|     | Choice                    | Feedback |
|-----|---------------------------|----------|
| A.  | $\sqrt{5y^3} - 2\sqrt{y}$ |          |
| B.  | $y\sqrt{5} - 2\sqrt{y}$   |          |
| *C. | $y\sqrt{y}$               | Correct! |
| D.  | $-1\sqrt{6y}$             |          |

**Global Incorrect Feedback**

The correct answer is:  $y\sqrt{y}$ .

**Question 7c of 15** ( 3 Adding and Subtracting Radicals 295488 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below when  $y \geq 0$ ?

|     | Choice | Feedback |
|-----|--------|----------|
| A.  |        |          |
| *B. |        | Correct! |
| C.  |        |          |
| D.  |        |          |

**Global Incorrect Feedback**

The correct answer is: .

Alg

### Question 8a of 15 ( 3 Adding and Subtracting Radicals 92030 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below when  $x \geq 0$ ?

$$\sqrt{50x^3} - \sqrt{25x^3} + 5\sqrt{x^3} - \sqrt{2x^3}$$

|     | Choice         | Feedback |
|-----|----------------|----------|
| A.  | $5\sqrt{2x}$   |          |
| *B. | $4x\sqrt{2x}$  | Correct! |
| C.  | $4\sqrt{x}$    |          |
| D.  | $28\sqrt{x^3}$ |          |

#### Global Incorrect Feedback

The correct answer is:  $4x\sqrt{2x}$ .

### Question 8b of 15 ( 3 Adding and Subtracting Radicals 295489 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below when  $x \geq 0$ ?

$$\sqrt{72x^3} - \sqrt{18x^3} + 4\sqrt{x^3} - \sqrt{2x^3}$$

|     | Choice         | Feedback |
|-----|----------------|----------|
| A.  | $3\sqrt{2x}$   |          |
| B.  | $4x\sqrt{2x}$  |          |
| *C. | $3x\sqrt{2x}$  | Correct! |
| D.  | $\sqrt{10x^3}$ |          |

#### Global Incorrect Feedback

The correct answer is: .

### Question 8c of 15 ( 3 Adding and Subtracting Radicals 295490 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below when  $x \geq 0$ ?

|     | Choice | Feedback |
|-----|--------|----------|
| *A. |        | Correct! |
| B.  |        |          |
| C.  |        |          |
| D.  |        |          |

**Global Incorrect Feedback**

The correct answer is:  $2x\sqrt{2x}$ .

**Question 9a of 15** ( 1 Adding and Subtracting Radicals 117952 )

**Maximum Attempts:** 1

**Question Type:** True-False

**Maximum Score:** 2

**Question:** You can add radical expressions by combining like terms and then adding them together.

|     | Choice | Feedback |
|-----|--------|----------|
| *A. | True   | Correct! |
| B.  | False  |          |

**Global Incorrect Feedback**

The correct answer is: True.

**Question 9b of 15** ( 1 Adding and Subtracting Radicals 295491 )

**Maximum Attempts:** 1

**Question Type:** True-False

**Maximum Score:** 2

**Question:** You can add radical expressions by combining like terms and then adding them together.

|     | Choice | Feedback |
|-----|--------|----------|
| *A. | True   | Correct! |
| B.  | False  |          |

**Global Incorrect Feedback**

The correct answer is: True.

**Question 9c of 15** ( 1 Adding and Subtracting Radicals 295492 )

**Maximum Attempts:** 1

**Question Type:** True-False

**Maximum Score:** 2

**Question:** You can add radical expressions by combining like terms and then adding them together.

|     | Choice | Feedback |
|-----|--------|----------|
| *A. | True   | Correct! |
| B.  | False  |          |

**Global Incorrect Feedback**

The correct answer is: True.

**Question 10a of 15** ( 1 Adding and Subtracting Radicals 117954 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Two radical expressions are called like terms if they have the same degree and the same \_\_\_\_\_.

Alg

|     | Choice      | Feedback |
|-----|-------------|----------|
| A.  | number      |          |
| B.  | radical     |          |
| *C. | radicand    | Correct! |
| D.  | term        |          |
| E.  | denominator |          |

| Global Incorrect Feedback        |
|----------------------------------|
| The correct answer is: radicand. |

### Question 10b of 15 ( 1 Adding and Subtracting Radicals 295493 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Two radical expressions with the same degree and the same \_\_\_\_\_ are called like terms.

|     | Choice      | Feedback |
|-----|-------------|----------|
| A.  | number      |          |
| *B. | radicand    | Correct! |
| C.  | radical     |          |
| D.  | term        |          |
| E.  | denominator |          |

| Global Incorrect Feedback        |
|----------------------------------|
| The correct answer is: radicand. |

### Question 10c of 15 ( 1 Adding and Subtracting Radicals 295494 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Two radical expressions are called like terms if they have the same degree and the same \_\_\_\_\_.

|     | Choice      | Feedback |
|-----|-------------|----------|
| A.  | number      |          |
| B.  | radical     |          |
| C.  | denominator |          |
| D.  | term        |          |
| *E. | radicand    | Correct! |

| Global Incorrect Feedback        |
|----------------------------------|
| The correct answer is: radicand. |

### Question 11a of 15 ( 2 Adding and Subtracting Radicals 117958 )

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: If you need to add radical expressions that have different radicands, you should determine whether you can subtract a radical expression and then combine like terms.

Alg

|     | Choice | Feedback |
|-----|--------|----------|
| A.  | True   |          |
| *B. | False  | Correct! |

| Global Incorrect Feedback     |
|-------------------------------|
| The correct answer is: False. |

### Question 11b of 15 ( 2 Adding and Subtracting Radicals 295495 )

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: If you need to add radical expressions that have different radicands, you should determine whether you can subtract a radical expression and then combine like terms.

|     | Choice | Feedback |
|-----|--------|----------|
| A.  | True   |          |
| *B. | False  | Correct! |

| Global Incorrect Feedback     |
|-------------------------------|
| The correct answer is: False. |

### Question 11c of 15 ( 2 Adding and Subtracting Radicals 295496 )

Maximum Attempts: 1

Question Type: True-False

Maximum Score: 2

Question: If you need to add radical expressions that have different radicands, you should determine whether you can subtract a radical expression and then combine like terms.

|     | Choice | Feedback |
|-----|--------|----------|
| A.  | True   |          |
| *B. | False  | Correct! |

| Global Incorrect Feedback     |
|-------------------------------|
| The correct answer is: False. |

### Question 12a of 15 ( 3 Adding and Subtracting Radicals 117960 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

+

|     | Choice | Feedback |
|-----|--------|----------|
| A.  |        |          |
| *B. |        | Correct! |
| C.  |        |          |
| D.  | 25     |          |

**Global Incorrect Feedback**

The correct answer is:  $5\sqrt{5}$ .

**Question 12b of 15** ( 3 Adding and Subtracting Radicals 295497 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

$$\sqrt{21} + \sqrt{-11}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| A.  | $-5\sqrt{5}$ |          |
| B.  | 25           |          |
| C.  | $\sqrt{5}$   |          |
| *D. | $5\sqrt{5}$  | Correct! |

**Global Incorrect Feedback**

The correct answer is:  $5\sqrt{5}$ .

**Question 12c of 15** ( 3 Adding and Subtracting Radicals 295498 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

$$\sqrt{45} + \sqrt{125}$$

|     | Choice       | Feedback |
|-----|--------------|----------|
| *A. | $8\sqrt{5}$  | Correct! |
| B.  | $-8\sqrt{5}$ |          |
| C.  | $\sqrt{5}$   |          |
| D.  | 25           |          |

**Global Incorrect Feedback**

The correct answer is: .

**Question 13a of 15** ( 3 Adding and Subtracting Radicals 117970 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

$$+$$

Alg

|     | Choice      | Feedback |
|-----|-------------|----------|
| A.  | $3\sqrt{3}$ |          |
| B.  | $5\sqrt{2}$ |          |
| *C. | $5\sqrt{3}$ | Correct! |
| D.  | $3\sqrt{2}$ |          |

| Global Incorrect Feedback            |
|--------------------------------------|
| The correct answer is: $5\sqrt{3}$ . |

### Question 13b of 15 ( 3 Adding and Subtracting Radicals 295499 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?.

$$5\sqrt{3} + \sqrt{3}$$

|     | Choice      | Feedback |
|-----|-------------|----------|
| *A. | $7\sqrt{3}$ | Correct! |
| B.  | $5\sqrt{2}$ |          |
| C.  | $5\sqrt{3}$ |          |
| D.  | $7\sqrt{2}$ |          |

| Global Incorrect Feedback            |
|--------------------------------------|
| The correct answer is: $7\sqrt{3}$ . |

### Question 13c of 15 ( 3 Adding and Subtracting Radicals 295500 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?.

|     | Choice | Feedback |
|-----|--------|----------|
| A.  |        |          |
| *B. |        | Correct! |
| C.  |        |          |
| D.  |        |          |

| Global Incorrect Feedback |
|---------------------------|
| The correct answer is: .  |

Alg

### Question 14a of 15 ( 3 Adding and Subtracting Radicals 117972 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$3\sqrt{2} + \sqrt{8} + \sqrt{18}$$

|     | Choice      | Feedback |
|-----|-------------|----------|
| A.  | $6\sqrt{2}$ |          |
| B.  | $4\sqrt{2}$ |          |
| C.  | $3\sqrt{2}$ |          |
| *D. | $8\sqrt{2}$ | Correct! |

#### Global Incorrect Feedback

The correct answer is:  $8\sqrt{2}$ .

### Question 14b of 15 ( 3 Adding and Subtracting Radicals 295501 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

$$2\sqrt{2} + \sqrt{8} - \sqrt{8}$$

|     | Choice      | Feedback |
|-----|-------------|----------|
| A.  | $6\sqrt{2}$ |          |
| B.  | $8\sqrt{2}$ |          |
| *C. | $7\sqrt{2}$ | Correct! |
| D.  | $4\sqrt{2}$ |          |

#### Global Incorrect Feedback

The correct answer is:  $7\sqrt{2}$ .

### Question 14c of 15 ( 3 Adding and Subtracting Radicals 295502 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which choice is equivalent to the expression below?

|     | Choice | Feedback |
|-----|--------|----------|
| A.  |        |          |
| B.  |        |          |
| *C. |        | Correct! |
| D.  |        |          |

**Global Incorrect Feedback**

The correct answer is:  $2\sqrt{2}$ .

**Question 15a of 15** ( 3 Adding and Subtracting Radicals 117976 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

$$4x\sqrt{19} + \sqrt{20x^3} - 3x\sqrt{76}$$

|     | Choice                      | Feedback |
|-----|-----------------------------|----------|
| *A. | $2x(\sqrt{5x} - \sqrt{19})$ | Correct! |
| B.  | $\sqrt{5x} - \sqrt{19}$     |          |
| C.  | $2x\sqrt{5x}$               |          |
| D.  | $2x\sqrt{19}$               |          |

**Global Incorrect Feedback**

The correct answer is:  $2x(\sqrt{5x} - \sqrt{19})$ .

**Question 15b of 15** ( 3 Adding and Subtracting Radicals 295503 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

$$4x\sqrt{19} + \sqrt{20x^3} - 3x\sqrt{76}$$

|     | Choice                  | Feedback |
|-----|-------------------------|----------|
| A.  | $2x\sqrt{5x}$           |          |
| B.  | $\sqrt{5x} - \sqrt{19}$ |          |
| *C. |                         | Correct! |
| D.  |                         |          |

**Global Incorrect Feedback**

The correct answer is: .

**Question 15c of 15** ( 3 Adding and Subtracting Radicals 295504 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Which choice is equivalent to the expression below?

Alg

|     | Choice                      | Feedback |
|-----|-----------------------------|----------|
| A.  | $2x\sqrt{19}$               |          |
| B.  | $\sqrt{5x} - \sqrt{19}$     |          |
| C.  | $2x\sqrt{5x}$               |          |
| *D. | $2x(\sqrt{5x} - \sqrt{19})$ | Correct! |

| Global Incorrect Feedback |
|---------------------------|
|---------------------------|

|  |
|--|
| The correct answer is: $2x(\sqrt{5x} - \sqrt{19})$ . |
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