

Lesson 1 Assignment Multiplying Exponents

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.

1) $5x^5 \cdot 5x^3$

2) $v^2 \cdot 5v^5$

3) $4x^4 \cdot 2x^6 \cdot x^6$

4) $2ab^5 \cdot 6a^2b^6$

5) $x^5y^2 \cdot 6x^6y^3$

6) $3uv^3 \cdot 4v^5$

7) $5x^2y^4 \cdot 3y^5$

8) $7xy^5z^4 \cdot 8y^8z^3$

9) $8x^7z^4 \cdot 2x^8y^7z^3$

10) $5x^5y^4z^2 \cdot 3x^4y^6z^7$

Answers to Lesson 1 Assignment Multiplying Exponents (ID: 1)

1) $25x^8$

2) $5v^7$

3) $8x^{16}$

4) $12a^3b^{11}$

5) $6x^{11}y^5$

6) $12uv^8$

7) $15x^2y^9$

8) $56xy^{13}z^7$

9) $16x^{15}z^7y^7$

10) $15x^9y^{10}z^9$