

Lesson 3 Assignment Power to a Power Exponents

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.

1) $(x^6)^7$

2) $(6a^7)^2$

3) $(2k)^4$

4) $(4n^5)^3$

5) $(x^7)^4$

6) $(3m^5)^3$

7) $(3n^4)^3$

8) $(2b^2)^5$

9) $(2a^6)^3$

10) $(4y^3)^3$

Answers to Lesson 3 Assignment Power to a Power Exponents (ID: 1)

1) x^{42}

2) $36a^{14}$

3) $16k^4$

4) $64n^{15}$

5) x^{28}

6) $27m^{15}$

7) $27n^{12}$

8) $32b^{10}$

9) $8a^{18}$

10) $64y^9$