

Multiply and divide monomials; extend the process of taking powers and extracting roots to monomials when the latter results in a monomial with an integer exponent. 7AF2.2

73. $\sqrt{4x^4} =$

- A 2
- B $2x$
- C $4x$
- D $2x^2$

74. Simplify the expression shown below.

$$(5x^2z^2)(8xz^3)$$

- A $40x^2z^6$
- B $40x^3z^5$
- C $40x^3z^6$
- D $40x^5z^5$

75. Simplify the expression shown below.

$$(6a^4bc)(7ab^3c)$$

- A $13a^4b^3c$
- B $13a^5b^4c^2$
- C $42a^4b^3c$
- D $42a^5b^4c^2$

76. Which expression is equivalent to $7a^2b \cdot 7bc^2$?

- A $14a^2b^2c^2$
- B $49a^2bc^2$
- C $49a^2b^2c^2$
- D $343a^2b^2c^2$