

Name : _____

Simplifying Expressions: Exponents

ES4

Simplify each expression.

1) $(7t^3)(9t^4)$

2) $(11d^3)(3d)$

3) $\frac{15c^8}{5c^9}$

4) $28a^8$

5) $(6x^6)(8x^2)$

7) $\frac{64b^8}{16b^6}$

9) $(8r^2)(5r^5)$

10) $(7z^2)(2z^2)$

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Answer key

Simplifying Expressions: Exponents

ES4

Simplify each expression.

1) $(7t^3)(9t^4)$

$63t^7$

2) $(11d^3)(3d)$

$33d^4$

3) $\frac{15c^8}{5c^9}$

$\frac{3}{c}$

4) $28a^8$

5) $(6x^6)(8x^2)$

$48x^8$

7) $\frac{64b^8}{16b^6}$

$4b^2$

9) $(8r^2)(5r^5)$

$40r^7$

10) $(7z^2)(2z^2)$

$14z^4$

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