

Name : _____

Simplifying Expressions: Exponents

ES3

Simplify each expression.

1) $(2a^7)(3a^7)$

2) $\frac{25x^5}{5x}$

3) $\frac{4p^2}{6p}$

4) $(12^{-3})(-2)$

5) $(7z^4)(2z^5)$

7) $\frac{9s^7}{21s^2}$

9) $(5n^3)(2n^3)$

10) $\frac{3y^6}{24y^3}$

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Name : _____

Answer key

Simplifying Expressions: Exponents

ES3

Simplify each expression.

1) $(2a^7)(3a^7)$

$6a^{14}$

2) $\frac{25x^5}{5x}$

$5x^4$

3) $\frac{4p^2}{6p}$

$\frac{2}{3}p$

5) $(7z^4)(2z^5)$

$14z^9$

7) $\frac{9s^7}{21s^2}$

$\frac{3}{7}s^5$

9) $(5n^3)(2n^3)$

$10n^6$

10) $\frac{3y^6}{24y^3}$

$\frac{1}{8}y^3$

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