Simplify, using the different Power Rules. All final answers must have a positive exponent.

1) $2r^3 \cdot 8r^4$

$= 16r^7$

Simplify, using the different Power Rules. All final answers must have a positive exponent.

2) $6nn^2$

$6n^3$

Simplify, using the different Power Rules. All final answers must have a positive exponent.

3) $\frac{n^3}{3n^2}$ $= \frac{n^1}{3}$

Simplify, using the different Power Rules. All final answers must have a positive exponent.

4) $\dfrac{2m^{1}}{5m^{4}}$ $= \dfrac{2}{5m^{3}}$

Simplify, using the different Power Rules. All final answers must have a positive exponent.

5) $(n^4)^3$

n^{12}

Simplify, using the different Power Rules. All final answers must have a positive exponent.

6) $(3k^0)^2$

$= 3^2 - (3)(3)$

$= 9k^0$

$= 9(1)$

$= 9$

Simplify, using the different Power Rules. All final answers must have a positive exponent.

7) $2b^{-1}$

$= \frac{2}{b^1}$

Simplify, using the different Power Rules. All final answers must have a positive exponent.

8) $-4v^{-2}$

Show

Simplify each power expression. Your final answer will only have positive exponents.

9) $4n^2 \cdot 2n$

A) $12n^3$ B) n^2

C) $8n^4$ D) $8n^3$

$4 \times 2 = 8$

$= 8^3$

Simplify each power expression. Your final answer will only have positive exponents.

10) $x \cdot 2x$

A) $2x^2$

B) $12x^4$

C) $16x^4$

D) $6x^4$

Simplify each power expression. Your final answer will only have positive exponents.

$4-(-3)$

$4+3=7$

11) $\dfrac{6p^4}{7p^{-3}}$

$=\dfrac{6p^7}{7}$

A) $\dfrac{6p^7}{7}$

B) $\dfrac{3p^2}{5}$

C) $\dfrac{7p^2}{5}$

D) $\dfrac{5}{2p}$

Simplify each power expression. Your final answer will only have positive exponents.

12) $\dfrac{6k^0}{3k^4}$

A) $6k^3$

B) $\dfrac{4}{3k}$

C) $\dfrac{2}{k^4}$

D) $\dfrac{3}{8k^5}$