



14.  $\left(\frac{3}{5}\right)^{-2}$  is equivalent to

A)  $\frac{25}{9}$

B)  $\frac{9}{25}$

C)  $\frac{6}{10}$

D)  $\frac{10}{6}$

15. Simplify  $\frac{12p^3q^{-7}}{15pq^6}$ . Write using powers with positive exponents.

A)  $\frac{4p^3}{5q^{13}}$

B)  $\frac{p^2}{3q^{13}}$

C)  $\frac{4p^2}{5q}$

D)  $\frac{4p^2}{5q^{13}}$

**Section B:**

1. Simplify the following:

A) $\frac{-12a^{-3}b^{-7}c^{-6}}{3a^{-6}b^{-3}c^{-3}}$	B) $\frac{(8x^{-3}y^{-2})^2}{(2xy^7)^5}$	C) $\left(x^{\frac{1}{2}}\right)^{\frac{1}{4}}\left(x^7\right)^{\frac{1}{8}}$
D) $\frac{(3x^3y)^0(x^{-2}y^3)^5}{(x^{-7}y)^3}$	E) $\sqrt[5]{p^3} \times \sqrt[3]{p}$	F) $m^{-6}n^3p^{-4} \times m^{-2}np^{-2}$

2. Identify the errors in the following and write a correct solution.

$$\begin{aligned}(x^{-6}y^6)(x^{-3}y^5) &= x^{-6} \cdot x^{-3}y^6 \cdot y^5 \\ &= x^{18} \cdot y^{30}\end{aligned}$$