(4)

$$
\begin{aligned}
&\left(\frac{4 x^{-3} y^{2}}{x^{1} y^{-5}}\right)^{-2}=\frac{4^{-2} x^{6} y^{-4}}{x^{-2} y^{10}}=4^{-2 x^{8} y^{-14}} \\
&=\frac{x^{8}}{4^{2} y^{14}} \\
& 4^{-\frac{2}{=}} \frac{1}{16}=\frac{x^{8}}{16 y^{14}} \\
& y^{-2}
\end{aligned}
$$

(19)

$$
\begin{aligned}
& \frac{14 x^{4} y^{2}}{7 x^{2} y^{3}} \Theta \frac{42 x^{8} y^{5}}{7 x^{2} y^{3}}+\frac{56 x^{2} y^{6}}{7 x^{2} y^{3}}-\frac{84 x x}{7 x^{2} y^{3}} \\
& \frac{2 x^{2} y^{-1}}{} \frac{\left.8 x^{6}\right)^{-1}-12 x^{-1} y^{-2}}{y}-6 x^{6} y^{2}+8 y^{3}-\frac{12}{x y^{2}}
\end{aligned}
$$

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