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$$
\begin{aligned}
& (5) \frac{3 a^{5} b^{3} c^{3}}{9 a^{3} b^{7}\left(c^{3}\right.} \\
& \frac{1}{3} a^{2} b^{-4}\left(c^{0}=1\right. \\
& \frac{a^{2}}{3 b^{4}} \\
& \left(\frac{4^{1} x^{-3} y^{2}}{x^{1} y^{-5}}\right)^{-2}=\frac{4^{-2} x^{6} y^{-4}}{x^{-2} y^{10}}=4^{-2} x^{8} y^{-14} \\
& 4^{-2}=\frac{1}{4^{2}}=\frac{1}{16}=\frac{x^{8} y^{14}}{16 y^{14}} \\
& \text { (11) } \frac{5 x^{2}+4 y^{2}-7 x y^{4}+4 x y-2 y^{2}+2 x^{2}}{7 x^{2}+2 y^{2}-3 x y} \\
& \text { (12) }-4 x^{2}+2 x-5+2 x^{2}-5 x-7 \\
& -2 x^{2}-3 x-12
\end{aligned}
$$

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$$
\text { (19) } \begin{gathered}
\frac{2 x^{2}}{y}-6 x^{6} y^{2}+8 y^{3}-\frac{12}{x y^{2}} \\
q(x+2)=
\end{gathered} 5_{(x+2)^{2}+4}^{(x+2)(x+2)} \begin{gathered}
5\left(x^{2}+4 x+4\right)+4 \\
\left.5 x^{2}+20 x+20+4\right) \\
5 x^{2}+20 x+24
\end{gathered}
$$

(28) $3\left(2 a^{3}+6 a-12\right)-2\left(5 a^{2}+4\right)$

