

(# 4)

4 Dividing Monomials Basic

$$① \frac{5^5}{5^2} = 5^3$$

$$② \frac{m^6}{m^4} = m^2$$

$$③ \frac{p^5 n^4}{p^2 n} = p^3 n^3$$

$$④ \frac{a^2}{a} = a$$

$$⑤ \frac{x^5 y^3}{x^5 y^2} = x^0 y = y$$

$$⑥ \frac{-2y^7}{14y^5} = -\frac{y^2}{7}$$

$$⑦ \frac{xy^{10}}{y^8 x} = x^0 y^2 = y^2$$

$$⑧ \left(\frac{2a^2 b}{a} \right)^3 = \frac{8a^6 b^3}{a^3} = 8a^3 b^3$$

$$⑨ \left(\frac{4p^4 q^4}{3p^2 q^2} \right)^3 = \frac{64p^{12} q^{12}}{27p^6 q^6} = \frac{64p^6 q^6}{27}$$

$$⑩ \left(\frac{2v^5 w^3}{74w^3} \right)^4 = \frac{16v^{20} w^{12}}{v^{16} w^{12}} = 16v^4$$

$$\textcircled{11} \left(\frac{3r^4s^2}{2r^5s} \right)^4 = \frac{81r^{24}s^{12}}{16r^{20}s^4} = \frac{81r^4s^8}{16}$$

$$\textcircled{12} \frac{r^7s^7t^2}{53r^3t^2} = r^4s^4$$

(#5)

#5 Dividing Monomials

$$\textcircled{1} \frac{10^5}{10^4} = 10$$

$$\textcircled{11} \frac{-21w^5u^2}{7w^4u^5} = \frac{-3w}{u^3}$$

$$\textcircled{2} \frac{9^{12}}{9^8} = 9^4$$

$$\textcircled{12} \frac{32x^3y^2z^5}{-8xy^2z^2} = -4x^2yz^3$$

$$\textcircled{3} \frac{x^4}{x^2} = x^2$$

$$\textcircled{4} \frac{r^3s^2}{r^3s^4} = \frac{1}{s^2}$$

$$\textcircled{5} \frac{m}{m^3} = \frac{1}{m^2}$$

$$\textcircled{6} \frac{9a^2}{3a^0} = 3a$$

$$\textcircled{7} \frac{12m^5}{30m} = \frac{2}{3}m^4$$

$$\textcircled{8} \frac{w^4u^3}{w^4u} = u^2$$

$$\textcircled{9} \frac{a^3b^5}{ab^2} = a^2b^3$$

$$\textcircled{10} \frac{m^7n^2}{m^3n^2} = m^4$$