

$$\text{a) } \frac{8a^8b^7c^4}{-2a^2bc^3} \rightarrow 8 : (-2) = -4; a^8 : a^2 = a^{8-2} = a^6; b^7 : b = b^{7-1} = b^6; c^4 : c^3 = c^{4-3} = c \rightarrow -4a^6b^6c$$

$$\text{e) } \frac{(3z^{2x})^3}{(-3)^2z^x} = \frac{3^3z^{2x \cdot 3}}{9z^x} = \frac{27z^{6x}}{9z^x} = 3z^{6x-x} = 3z^{5x}$$

