

## Block B Homework

$$1. \frac{30x^{10}y^2z^{-4}}{(5x^5y^{-3}z^5)^{-2}}$$

$$2. \frac{(3x^6y^{-3}z^7)^{-4}}{(7x^4y^{-2}z^5)^{-3}}$$

$$3. \frac{-18x^{-9}y^7z^4}{-3x^2y^{-21}z^{-8}}$$

$$4. \frac{(4a^2b^{-4})^{-3} \cdot a^4 \cdot (b^{-1})^{-2}}{a^6b^{-2} \cdot 5b^6}$$

$$5. \left[ \frac{\left( \frac{27a^{10}b^{-4}}{13c^{-5}b^2} \right) \left( \frac{-(30)^9 x}{y^{-6}z^7} \right)}{\left( \frac{47d^7e^5}{a^{-1}x^{-2}y^{-3}} \right)^{-85}} \right]^0$$