



$$\begin{aligned}
 2(i) \quad \frac{5x^2 - 6x}{3x} & \quad \text{or} \quad = \frac{5x^{\cancel{2}} - \overset{2}{\cancel{6x}}}{\cancel{3x}} \\
 & = \frac{\cancel{x}(5x - 6)}{\cancel{3x}} = \frac{5x}{3} - 2 \\
 & = \frac{5x - 6}{3} \quad \text{or} \quad 3x \overline{) \frac{\frac{5}{3}x - 2}{5x^2 - 6x}} \\
 & \qquad \qquad \qquad \underline{5x^2} \\
 & \qquad \qquad \qquad -6x \\
 & \qquad \qquad \qquad -6x \\
 & \qquad \qquad \qquad \underline{\quad 0}
 \end{aligned}$$

$$\begin{aligned}
 2(ii) \quad \frac{3y^8 - 4y^6 + 5y^4}{y^4} \\
 & = \frac{\cancel{y^4}(3y^4 - y^2 + 5y)}{\cancel{y^4}} \\
 & = 3y^4 - y^2 + 5y
 \end{aligned}$$

$$\begin{aligned}
 2(iii) \quad \frac{\overset{2}{\cancel{2}}(x^3y^2z^2 + x^2y^3z^2 + x^2y^2z^3)}{\cancel{4}x^2y^2z^2} \\
 & = \frac{\cancel{2x^2y^2z^2}(x + y + z)}{\cancel{x^2y^2z^2}} \\
 & = 2(x + y + z)
 \end{aligned}$$