Dividing Monomials

Simplify each monomial. All exponents must be positive in final answer.

1) $\frac{16x^3}{10x} = \frac{8x^2}{5}$

2) $\frac{24x^2}{12x^5} = \frac{2}{x^3}$

3) $\frac{16x^4y^2}{4xy^5} = \frac{4x^3}{y^3}$

4) $\frac{15x^4}{25x^2y^5} = \frac{3x^2}{5y^5}$

5) $\frac{16x^2y^3}{32x^3y^2} = \frac{y}{2x}$

6) $\frac{14x^4y^7}{16x^{12}y^2} = \frac{7y^5}{8x^8}$

7) $\frac{24x^4y^2}{9y^3} = \frac{8x^4}{3y}$

8) $\frac{25x^4y^4}{15xy^2} = \frac{5x^3y^2}{3}$

9) $\frac{4xy^6z^{12}}{12xy^2z^{16}} = \frac{y^4}{3z^4}$

10) $\frac{64x^3z^7}{40xy^4z} = \frac{8x^2z^6}{5y^4}$

11) $\frac{28a}{8a} = \frac{7}{2}$

12) $\frac{12p^5}{12p^4} = p$

13) $\frac{24x^4y^3}{28x^5y^3z} = \frac{6}{7xz}$

14) $\frac{16xyz}{48x^4z^3} = \frac{y}{3x^3z^2}$