

Homework – Dividing Rational Expressions

8. $(x^2 + 10x - 24) \div \frac{x^2 - 144}{3x - 36}$

10. $\frac{x^3 - 8}{64x} \div \frac{x^2 - x - 2}{16x^2}$

9. $\frac{7x^2 - 21x}{x^2 - 2x - 35} \div \frac{x^2}{x - 7}$

11. $\frac{2x^3 - 12x^2}{x^2 - 4x - 12} \div \frac{8x^3 + 24x^2}{x^2 + 9x + 18}$

8. $3(x - 2)$ 9. $\frac{7(x - 3)}{x(x + 5)}$ 10. $\frac{x(x^2 + 2x + 4)}{4(x + 1)}$ 11. $\frac{x + 6}{4(x + 2)}$