Factor completely.

Turn this into an equation. Multiply both sides by 12 to clear the denominators. Factor the original side. Finish by moving the 12 back by dividing

$$\left(2\left(\frac{7}{4}b^2 - \frac{35}{12}b - \frac{14}{3}\right) = \right) \cdot \left(2\right)$$

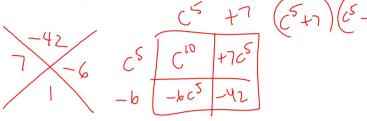
factor.

$$2p^8 + 5p^4 - 3$$
 (2p⁴-1)

factor.

Our book calls this factoring using a quadratic pattern.





$$2p^8 + p^4 - 3 = (p^4 - 1)(2p^4 + 3)$$