

Correct. Divide each term in the polynomial by the monomial. The question mark stands for 3.

$$\frac{8x^5 + 12x^2 - 4x}{6x^2} = \frac{8x^5}{6x^2} + \frac{12x^2}{6x^2} - \frac{4x}{6x^2} = \frac{4x^3}{3} + 2 - \frac{2}{3x}$$