$$\frac{u+q}{u-q} = \frac{3 x^2 + 6 x - 2}{3 x^2 + 8}$$

$$u-q=3 x^2 - 2$$

6. Given $u=-5+3x+3x^2$ and q=3+3x, which of the following is correct:

 $u-q=3 x^2 + 2 u \times q=3 (x+1) (3 x^2 + 3 x + 5)$

$$\frac{u+q}{u-q} = \frac{3 x^2 + 6 x + 2}{3 x^2 - 8} \quad u+q=3 x^2 + 6 x + 8$$

Solution