

Answers:

(1)  $4x^2 + 7x - 15$

(2)  $(2x - 5)(2x + 5)$

(3)  $\frac{x+2}{x-2}$

(4)  $-3, 4$

(5)  $(-2, 4)$

(7)  $(-\infty, -1]$  and  $[1, \infty)$

(8)  $2x^2 + 4x - 5$