

6-106.

a. $6x^2 - x - 2$

b. $6x^3 - x^2 - 12x - 5$

6-107.

a. $(-5, 1)$

b. $(3, 1)$

c. no solution

6-108.

a. not a function, $D : -3 \leq x \leq 3$ and $R : -3 \leq y \leq 3$

b. a function, $D : -2 \leq x \leq 3$, $R : -2 \leq y \leq 2$

6-109.

$r \approx 0$; Answers will vary for the *LSRL*, but the average number of pairs appears to be about **3.8** which is an *LSRL* of $y = 3.8$.

6-110.

a. $3x - 18^\circ = 74^\circ$; $x = 30.67^\circ$

b. $3x - 9^\circ = x + 25^\circ$; $x = 17^\circ$; $m\angle 2 = 3(17^\circ) - 9^\circ = 42^\circ$

6-111.



a. $m = -12$

b. $x = -24$

c. $x = \frac{16}{5}$

