

Answers to sample questions:

-10	-4	-7	12
-24	35	5	-3
1	-10x	19y - 17	8c - 3
6a - 3b + 6	4	4	y = 8
x = -16	s = 6	x < 2	t ≤ -2
x = -5	x = 1, x = 7	x = 6	Susan is 12. Samantha is 36.
x = 18	108	-12a ⁷ b ⁴	r ¹² s ²⁰

--	--	--	--

$\frac{3y^3}{2x^2}$	16	y^7	y
8	$7ab^2$	$7ab^2$	$m = \frac{3}{2}$
$m = -\frac{2}{5}$	$y = 2x + 5$	-2	$x = 3$ $y = 8$
$2x^2 - 11x - 21$	$9x^2 - 30x + 25$	$-31b^3$	$x^2 + 7x + 2$
$6x^6 - 4x^5 + 8x^4$	$3x(x + 2)$	$(x - 2)(x + 8)$	$(3x - 2)(x + 1)$
$\frac{4a^3 - 3a - 1}{a}$	$\frac{a - 6}{a - 3}, (a \neq -3)$	$\frac{3(x + 7)}{x(x - 5)}, (x \neq -5)$	$\frac{4}{5}, (a \neq 3)$
$\frac{7y - 18}{10y^2}$	$\frac{x + 5}{x}$	$\frac{-2x + 9}{x(x + 3)}$	$\frac{1}{x - 3}$