

Simplify and Solve ÷

Algebra P1

Name _____ # _____

Date _____

(Simplify each equation and then solve for the variable). (SHOW YOUR STEPS)

ex.) $150 - 139 = 20x - 9x$ $11 = 11x$ $1 = x$	2) $3(2x) = -30$	3) $2(4k) = 16$
check: $150 - 139 = 20(1) - 9(1)$ $11 = 20 - 9$ $11 = 11$	check:	check:
4) $50 = -5(5p)$	5) $60 = 4(-3a)$	6) $-2(-4k) = 56$
check:	check:	check:
7) $-90 = -10(-3x)$	8) $-90 = -5(-2y)$	9) $100 - 96 = 31y - 35y$
check:	check:	check:

10) $7w - 14w = 1 - 50$	11) $-14m + 8m = 6 - 60$	12) $6x + 6x = 40 + 20 - 12$
<i>check:</i>	<i>check:</i>	<i>check:</i>
13) $-28 = -6n + 10n$	14) $p - 14p = -2 + 18 - 3$	15) $4y - 7y = -12$
<i>check:</i>	<i>check:</i>	<i>check:</i>
16) $3 - 10 + 7 = h + 7h$	17) $42 = -6w$	18) $-k = -12$
<i>check:</i>	<i>check:</i>	<i>check:</i>