Solving Linear Equations*

Directions

- Cut out the 16 squares below with scissors.
- Rearrange the squares so that the expressions on all the inside edges match those on their neighboring square.
  - Remember: the edges of some squares will be around the perimeter of the final square, so they won't match with other squares.
- Tape your final set of matching squares onto the blank rectangle on the next page.

	$x - 8 = 100$			$x = -7$			$x = 20$			$x = -4$	
0.25		$x - 4 = -12$	$4x = 18$		$x = 2$	$3x - 12 = -30$		$72 - 8x = 0$	$25 = x$		$16 = 2x - 5$
	$2x - 5 = 3$			$x = 5$			$x = -17$			$x = -72$	
	$x = 74$			$x = 0$			$0.25x - 2 = 8$			$5x - 8 = 9$	
$x = -8$		$x = -5$	$2x + 6 = 10$		$6 - x = 18$	$x = 9$		$5.75 = x$	$\left(\frac{1}{5}\right)x = -1$		$x = 6$
	$7x - 1 = -50$			$5(x - 15) = 25$			$x + 5 = 1$			$4x - 8 = -8 + 5x$	
	$6x = -12$			$x = -24.5$			$x = 4$			$2(x + 2) = 14$	
$x = -12$		$x = -21$	$\frac{36}{x} = 6$		$16 - x = 12 + 2x$	$5x - 4 = 9 + x$		$x = 4.5$	$30 - 2x = 52$		$x = -6$
	$x = 40$			$x = -2$			$5x = -50$			$14 = \frac{x}{3} + 4$	
	$3(x - 3) = 4(x + 2)$			$x = -10$			$x = 30$			$56 = x$	
$100 - x = 9$		$6x = 150$	$x - 5 = 0.25$		$x = -11$	$x = 10$		$x = 91$	$91 - 2x = 5x$		$6x - 100 = -4x$
	$x^3 = 625$			$\frac{x}{8} = 7$			$2x = x + 52.5$			$x = 44$	

* Mr. P's Math Page

After you match the squares together, tape them to this page.