

Name: _____

- 1 What is the solution set of the equation $3x^2 = 48$?
 (1) $\{-2,-8\}$ (3) $\{4,-4\}$
 010215a (2) $\{2,8\}$ (4) $\{4,4\}$
- 2 A solution of the equation $\frac{x^2}{4} = 9$ is
 010808a (1) 12 (3) 3
 (2) 6 (4) $\frac{3}{2}$
- 3 What is the positive solution of the equation $4x^2 - 36 = 0$?
 080733a
- 4 The solution to the equation $x^2 - 6x = 0$ is
 (1) 0, only (3) 0 and 6
 080921ia (2) 6, only (4) $\pm\sqrt{6}$
- 5 What is the solution set of the equation $x^2 - 5x = 0$?
 010727a (1) $\{0,5\}$ (3) $\{0\}$
 (2) $\{0,5\}$ (4) $\{5\}$
- 6 The solution set for the equation $x^2 - 2x - 15 = 0$ is
 080012a (1) $\{5,3\}$ (3) $\{-5,3\}$
 (2) $\{5,-3\}$ (4) $\{-5,-3\}$
- 7 The solution set of the equation $x^2 - 4x - 12 = 0$ is
 060725a (1) $\{-6,2\}$ (3) $\{-2,6\}$
 (2) $\{-4,3\}$ (4) $\{-3,4\}$
- 8 What is the solution set of $m^2 - 3m - 10 = 0$?
 080118a (1) $\{5,-2\}$ (3) $\{3,-10\}$
 (2) $\{2,-5\}$ (4) $\{3,10\}$
- 9 What is the solution set of the equation $x^2 - 5x - 24 = 0$?
 060313a (1) $\{-3,8\}$ (3) $\{3,8\}$
 (2) $\{-3,-8\}$ (4) $\{3,-8\}$

$x^2 + y^2 < 25$	$x^2 + y^2 \leq 36$	$y < -x$
$x^2 - y^2 \geq 1$	$y \geq x^2 - 4$	31. $x^2 - 16$
$x^2 \geq 49$	$(y-3)^2 \geq x+2$	$x^2 + y^2$
$x^2 > 16$	35. $x^2 - 4y^2 < 16$	34. $x^2 + y^2$
$-9y^2 < 729$	$x > y^2$	$81x^2$
$4y^2 \leq 36$	38. $x + 2y > 1$	37. $9x^2 +$
$9y^2 \geq 36$	$x^2 + y^2 < 25$	$4x^2 +$
	39. $9x^2 - 4y^2 \geq 36$	
	$x + y = 4$	