

## Solving Quadratic Inequalities

Sheet 3

Solve each quadratic inequality using a table.

1)  $21x^2 + 53x + 30 \geq 0$


Solution : \_\_\_\_\_

2)  $-x^2 + 10x - 16$


Solution : \_\_\_\_\_

3)  $-x^2 - 4x + 5 > 0$


Solution : \_\_\_\_\_

# PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

**Solving Quadratic Inequalities**

Sheet 3

Solve each quadratic inequality using a table.

1)  $21x^2 + 53x + 30 \geq 0$

	$x \leq -\frac{5}{3}$	$-\frac{5}{3} \leq x \leq -\frac{6}{7}$	$x \geq -\frac{6}{7}$
$(3x + 5)$	-	+	+
$(7x + 6)$	-	-	+
$(3x + 5)(7x + 6)$	+	-	+

Solution : \_\_\_\_\_

2)  $-x^2 + 10x - 16 > 0$

	$x < 8$	$8 < x < 16$	$x > 16$
$(x - 8)$	-	+	+
$(x - 16)$	+	-	-
$(x - 8)(x - 16)$	+	-	+

Solution : \_\_\_\_\_

3)  $-x^2 - 4x + 5 > 0$

	$x < -5$	$-5 < x < 1$	$x > 1$
$(x + 5)$	-	+	+
$(x - 1)$	-	-	+
$-(x + 5)(x - 1)$	+	-	-

Solution :            **$-5 < x < 1$**           **PREVIEW**

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)