

WORKSHEET : SIGN TABLES

NAME: _____

1. WHEN IS $x(2x+8) \geq 0$?

when is $x \geq 0$?

when is $2x+8 \geq 0$?

	$-\infty$	-4	0	$+\infty$
x				
$2x+8$				
$x(2x+8)$				

2. WHEN IS $(x+1)(2-x) \leq 0$?

when is $x+1 \geq 0$?

when is $2-x \geq 0$?

	$-\infty$			$+\infty$
$x+1$				
$2-x$				

3. WHEN IS $\frac{2x+6}{x-2} < 0$?

when is $2x+6 \geq 0$?

when is $x-2 \geq 0$?

	$-\infty$			$+\infty$

4. WHEN IS $(x+1)(2-x)(2x-1) > 0$?

	$-\infty$				$+\infty$
$x+1$					
$2-x$					
$2x-1$					
$(x+1)(2-x)(2x-1)$					

5. WHEN IS $\frac{x}{2} \geq \frac{5}{x+1} + 4$?