

Name: _____



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1) True or False?

a) $6 < 4$		d) $7 < 11$		g) $15 \leq 5$		j) $2 < 19$	
b) $7 < 9$		e) $7 \leq 11$		h) $7 \geq 7$		k) $23 \geq 4$	
c) $9 > 7$		f) $8 < 8$		i) $8 \geq 9$		l) $13 < 9$	

2) List the first 5 integers which satisfy the following inequalities:

a) $x < 7$		f) $6 < x$	
b) $x \geq 4$		g) $x \leq 2$	
c) $x > 12$		h) $11 \geq x$	
d) $x \leq 15$		i) $21 \leq x$	

3) List the first 5 integers which satisfy the following inequalities:

a) $x < -1$		e) $-5 < x$	
b) $x \geq -5$		f) $x \leq -5$	
c) $x > -4$		g) $-3 \geq x$	
d) $x \leq -2$		h) $-6 \leq x$	

4) List the integers which satisfy the following inequalities:

a) $2 < x < 7$		e) $-2 < x \leq 4$	
b) $6 < x \leq 9$		f) $6 < x < 8$	
c) $0 \leq x \leq 5$		g) $-5 \leq x \leq 1$	
d) $8 \leq x < 13$		h) $5 \leq x < 6$	

5) Insert either $<$ or $>$ inequality symbol in the space provided:

a) 2 8	c) 2 -5	e) -1 3	g) 0 -4	i) 2 0 -1
b) -6 9	d) 6 -6	f) -5 -8	h) 3 -2	j) -3 -1 2

Exam question:

List all the integers that satisfy both these inequalities:

$$x < -1 \text{ and } x \geq -5$$

