



Name: _____



Solve the following inequalities:

a) $x + 3 \geq 5$

d) $x - 5 \geq -2$

g) $-2x \geq 12$

b) $x - 3 < 3$

e) $2x \geq 8$

h) $6x \leq -3$

c) $x + 2 \leq 4$

f) $3x \leq 15$

i) $\frac{x}{3} > 6$

d) $x - 5 \leq 4$

c) $x + 5 \leq 4$

c) $x + 9 \leq 4$

Solve the following inequalities:

j) $2x + 7 \geq 11$

m) $9x - 3 \geq 15$

p) $-5x - 4 \geq 1$

k) $5x - 2 \leq 13$

n) $\frac{x}{3} + 2 < 6$

q) $9x + 4 < -14$

l) $7x - 2 \leq 40$

o) $-3x + 6 \leq 24$

r) $\frac{x}{-5} + 9 > 4$

Solve the following double inequalities:

j) $5 < x + 3 < 12$

m) $0 < 2x - 2 \leq 13$

p) $-3 \leq \frac{x}{4} \leq 5$

k) $3 < x - 2 < 10$

n) $7 < 5x + 2 \leq 22$

q) $-2 \leq \frac{x}{4} - 2 \leq 4$

l) $6 < 2x \leq 20$

o) $-5 < 3x + 4 \leq 22$

r) $14 < \frac{3x}{4} + 2 \leq 38$

Exam question:

Write the first 3 integers in ascending orders that satisfy the inequality

$12 \leq x - 8$

