3D Linear Inequalities

1. Find the set of values of x for which:
   a) $2x - 5 < 7$

   b) $5x + 9 \geq x + 20$

   c) $12 - 3x < 27$

   d) $3(x - 5) > 5 - 2(x - 8)$

2. Find the set of values of x for which:

a) $3x - 5 < x + 8$ and $5x > x - 8$

b) $x - 5 > 1 - x$ and $15 - 3x > 5 + 2x$

c) $4x + 7 > 3$ and $17 < 11 + 2x$