

Please complete the following problems for homework. Check Mrs. Kent's website for due dates.  
THERE MAY BE PROBLEMS ON THE BACK!

1. Determine whether the specified value of  $x$  is a solution of the given inequality.

a.  $x < 5$ ;  $x = 5$

b.  $x \geq 34$ ;  $x = 34$

c.  $3x \geq 2$ ;  $x = -\frac{1}{2}$

d.  $\frac{3}{5}x < 9$ ;  $x = -\frac{3}{5}$

e.  $-2x \leq 6$ ;  $x = -1$

2. Solve the following inequalities.

a.  $3x < -18$

b.  $x + 7 \geq 4$

c.  $5 - x > 2$

d.  $-6x \geq -24$

e.  $\frac{x}{2} < 11$