

## WORKING AT B/C

(1) Solve the inequality:

$$3 - \frac{4x}{2} > -3$$

## WORKING AT A\*/A

(1) Given that there are no values that satisfy BOTH

 $2kx \le 1$  and  $3(4x - 8) \ge x$ 

Find the set of values for the positive constant k

(2) Solve the inequation  $x(x-1) < x^2 - 8$ 

(2) (a) On a number line draw represent the following **two** inequalities individually:

2x < 10 and  $x \le -1$ 

(b) Hence, write down the integers that satisfy both 2x < 10 and  $x \le -1$ 

(2) Given that k is a negative constant, find the set of values of x such that  $6 \le kx + 1 < 10$  giving your answer in terms of k.

(3) Find the set of values of x that satisfy both

 $3 - 6x \le 0$  and -8 < 2x + 14 < 24

(3) Solve the inequality:

 $-0.1x \le 5$ 

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