**3E Quadratic Inequalities**

1. $x^{2}-4x-5<0$
2. $3-5x-2x^{2}<0$
3. Find the values of k for which the equation:

$$\left(k+3\right)x^{2}+6x+k-5=0$$

has two real roots.

1. Find the set of values for which:

$$\frac{6}{x}>2$$