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:

$$(k + 3)x^2 + 6x + k - 5 = 0$$

has two real roots.

4. Find the set of values for which:

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