8) $2x^2 + 3x - 20 = 0$

$a = 2 \quad b = 3 \quad c = -20$

$\Delta = 3^2 - 4 \times 2 \times (-20) = 9 + 160 = 169 > 0 \rightarrow 2$ solutions

$x_1 = \frac{-3-13}{4} = \frac{-16}{4} = -4 \qquad x_2 = \frac{-3+13}{4} = \frac{10}{4} = \frac{5}{2}$

$\Rightarrow S = \left\{-4; \frac{5}{2}\right\}$

9) $-9x + x^2 = 22$

$x^2 - 9x - 22 = 0$

$a = 1 \quad b = -9 \quad c = -22$

$\Delta = (-9)^2 - 4 \times 1 \times (-22) =$

$= 81 + 88 = 169 > 0 \rightarrow 2$ solutions

$x_1 = \frac{9-13}{2} = -2 \qquad x_2 = \frac{9+13}{2} = \frac{22}{2} = 11$

$\Rightarrow S = \{-2; 11\}$