**10F Trigonometric Quadratics**

1. Solve the equation

$sin^{2}θ-3sinθ+2=0$ in the interval $0\leq θ\leq 360$

1. Solve the equation

$2cos^{2}θ-cosθ-1=0$ in the interval $0\leq θ\leq 360$

1. Solve the equation

$sin^{2}(θ-30)=\frac{1}{2}$ in the interval $0\leq θ\leq 360$

1. Solve the equation

$2cos^{2}x+9sinx=3sin^{2}x$ in the interval $-180\leq θ\leq 180$