Warm-Up

Name_____ Per _

Solve by factoring

$x^2 - 4x = 12$

$-12 \quad -12$

$x^2 - 4x - 12 = 0$

Factors: $(x-6)(x+2)$

Solutions: $x=6 \quad x=-2$

Solve by square roots

$3x^2 + 14 = 11$

$-14 \quad -14$

$\frac{3x^2}{3} = \frac{-3}{3}$

$\sqrt{x^2} = \sqrt{-1}$

$x = \pm i$

Solutions: $x=i \quad x=-i$