

V.  $2x^2 + 9x + 10 = 0$   
 $(2x + 5)(x + 2) = 0$   
 $x = -\frac{5}{2} \quad x = -2$

4.  $14x^2 + 3x = 11$   
 $14x^2 + 3x - 11 = 0$   
 $a = 14 \quad b = 3 \quad c = -11$

$$\frac{-3 \pm \sqrt{3^2 - 4(14)(-11)}}{2 \times 14}$$

$$= \frac{-3 \pm \sqrt{9 + 616}}{28}$$

$$= \frac{-3 \pm \sqrt{625}}{28}$$

$$= \frac{-3 \pm 25}{28}$$

$$\frac{-3 + 25}{28}$$

$$\frac{-3 - 25}{28}$$

$$= \frac{22}{28}$$

$$= \frac{-28}{28}$$

~~22/28~~

$$x = -1$$

$$x = 0.79$$