Quadratic Formula

Version 2

Name: _____ **Date**: _____ **Score**: _____

Direction: Solve each quadratic equation using the Quadratic Formula. Show all your work in the space provided.

1) $-15x^2+11x-2=0$ *where* $a=\square$, $b=\square$, *and* $c=\square$

$$x=\frac{-(\ )\pm\sqrt{(\ )^2-4(\ )(\ )}}{2(\ )}$$

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2) $-4x^2-27x+7=0$ *where* $a=\square$, $b=\square$, *and* $c=\square$

$$x=\frac{-(\ )\pm\sqrt{(\ )^2-4(\ )(\ )}}{2(\ )}$$

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Name: _____ **Date**: _____ **Score**: _____

Direction: Solve each quadratic equation using the Quadratic Formula. Show all your work in the space provided.

1) $-15x^2+11x-2=0$ *where* $a=\boxed{-15}$, $b=\boxed{11}$, *and* $c=\boxed{-2}$

$$x=\frac{-(11)\pm\sqrt{(11)^2-4(-15)(-2)}}{2(-15)}$$

$$\boxed{x_1=\frac{1}{3},\ x_2=\frac{2}{5}}$$

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2) $-4x^2-27x+7=0$ *where* $a=\boxed{-4}$, $b=\boxed{-27}$, *and* $c=\boxed{7}$

$$x=\frac{-(-27)\pm\sqrt{(-27)^2-4(-4)(7)}}{2(-4)}$$

$$\boxed{x_1=-7,\ x_2=\frac{1}{4}}$$