

On your paper write a Section Title for each part of the assignment.

Evaluate.

1) $4x - 7$ if $x = 2 + \sqrt{5}$	2) $\frac{3(5x+12)^2}{3(x)^2 \div x}$ if $x = -4$
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Simplify.

3) $-7\sqrt{2}(9 - 3\sqrt{6})$	4) $(8 - 3\sqrt{5})(5 - 4\sqrt{5})$
5) $(-8\sqrt{3})^2$	6) $(5 - 9\sqrt{2})^2$

Solve each Quadratic by Square Roots. Check your answers.

7) $-7 - 2x^2 = -29$	8) $\frac{4(5x + 9)^2}{3} - 85 = -37$
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Solve each Quadratic by Completing the Square. Check your answers.

9) $x^2 + 10x - 101 = -5$	10) $n^2 - 14n + 10 = 5$
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Solve each Quadratic by the Quadratic Formula. Check your answers.

11) $6x^2 - 10x = 4$	12) $2n^2 + 4n = 7$ *Special Bonus for Checking. You can do it!
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