Name:_____   Date:_____   Period:_____

Quadratic Equations Quiz

Solve using the square root method.

1. $3x^2 - 27 = 0$ 2. $4x^2 - 4 = 12$

Solve by factoring.

3. $x^2 + 4x - 21 = 0$ 4. $2x^2 + 5x - 3 = 0$

SImplfiy (all the way!) the following radical expressions:

5. a) $\sqrt{50}$ b) $\sqrt{27}$ c) $\sqrt{6} * \sqrt{8}$ d) $3\sqrt{5} * \sqrt{5}$

BONUS: Simplify as far as possible $3\sqrt{8} + 3\sqrt{2}$ *Hint: the answer is NOT $6\sqrt{10}$*

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