___DATE____

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SIMPLIFYING RADICALS IN FORMULAS

Solve each equation using the quadratic formula. Leave your answer in simplified radical form. 1) $2x^2 + x - 6 = 0$ a =____; b =____; c =_____ 3) $x^2 - x - 1 = 0$ a =____; b =____; c =_____; c =____; c =_____; c =____; c =___; c =__; c =_; c =__; c =_; c =_; c =__; c =_; c =; c =_; 4) x² + 4x = -3 a = ____; b = ____; c = ____

Find the distance between the following sets of points.

5) (-4, 0) and (-1, -3)

$$d = \sqrt{(---)^{2} + (---)^{2}}$$
6) (-3, 1) and (1, 5)

$$d = \sqrt{(---)^{2} + (---)^{2}}$$
5. $\sqrt{96}$
6. $2\sqrt{98}$
7. $-2\sqrt{12} \cdot 3\sqrt{6}$
8. $2x\sqrt{32x^{5}y^{4}}$
9. $\sqrt{\frac{7}{12}} \cdot \sqrt{\frac{1}{3}}$
10. $3\sqrt{2} + 7\sqrt{18}$