Solving Review (square roots, factoring, completing the square)

Solve by using square roots.

76. $2x^2 + 10 = 0$ 77. $4x^2 + 100 = 0$ 78. $x^2 + 9 = 0$

a. $8x^2 - 70 = 11x^2 + 5$ b. $9x^2 - 13 = 0$

Solve using factoring. Make sure the equation is set = 0.

4. $x^2 - 6x - 7 = 0$ 5. $x^2 - 49 = 0$ 6. $x^2 + 2x + 1 = 0$

25. $3x^2 - 7x + 2 = 0$ 26. $2x^2 - 3x = -1$ 27. $2x^2 - x = 6$

23. $6x^2 + 18x = 0$ 2. $16x^2 = 56x$ 3. $5x^2 = 15x$

Solve by completing the square.

27. $x^2 - x - 1 = 0$ 28. $4x^2 - 8x + 1 = 0$ 29. $5x^2 = 8x - 6$