Quadratics 4 7/30

Solve using the quadratic formula, show your work.

1) x2 - 5x + 4 = 0 2) 2x2 = 7x - 3 3) x2 - 6x - 7 = 0

4) x2 = -14x - 40 5) 3x2 - 2x = 8 6) 4x2 - 4x - 3 = 0

7) 2x2 - 6 = 0 8) x2 + 6x + 3 = 0 9) x2 - 7x + 2 = 0

10) 3x2 = -x + 5 11) x2 - 4x - 7 = 0 12) 2x2 + x - 5 = 0

13) If h(x) = ax2 + bx + c, where b2 - 4ac < 0 and a<0, which of the following statements must be true?

1. The graph of h(x) has no points in the first or second quadrants.
2. The graph of h(x) has no points in the third or fourth quadrants.
3. The graph of h(x) has points in all quadrants.
4. I only
5. II only
6. III only
7. I and II only
8. None of the statements are true