Unit 2 Quiz Review

Solve each equation by FACTORING. SHOW ALL WORK FOR CREDIT.

1) $m^2 + 7m + 6 = 0$

2) $6x^2 - 18x - 240 = 0$

3) $8n^2 + 48n - 125 = 3$

4) $4m^2 + 37m + 27 = -1 + 5m$

5) $6x^2 - 19x + 14 = 0$

6) $28r^2 + 91r + 24 = 3$

7) $b^2 - 13b - 28 = -4b^2$

8) $49k^2 - 49k = -7k - 8$

9) $8p^2 - 8 = 0$

10) $2x^2 - 6x - 56 = 0$

11) $9x^2 + 12x - 14 = 7x^2$

12) $8x^2 - 88x + 230 = 6$

13) $4n^2 - 25$

14) $9n^2 - 4$

15) $4x^2 - 100$

16) $80r^2 - 125$

17) $45 - 80a^2$

18) $64n^2 - 4$

19) The width of a rectangle is 6 meters less than its length. If the area is $112m^2$, find the dimensions of the rectangle.

20) The length of rectangle is one foot more twice its width. If the area of the rectangle is $300 ft^2$, find the dimensions of the rectangle.