Corrective Assignment 10.3

Name:_____

Solve each equation by factoring.

1) $(n-1)(n+2)=0$

2) $(7b-2)(4b-1)=0$

Factor the common factor out of each expression.

3) $30p^3 - 18p$

4) $24k+8$

5) $100 + 30r + 20r^2$

6) $14x^4 + 16x - 6$

7) $81b^5 - 9b^2 - 54b$

8) $n^2 - 9n^3 + 10n^8$

Solve each equation by factoring.

9) $2a^2 - 4a = 0$

10) $2m^2 - 12m = 0$

11) $2x^2 = 4x$

12) $2r^2 + 14r = 0$

Answers to Corrective Assignment 9-4

1) $\{1, -2\}$

2) $\left\{\dfrac{2}{7}, \dfrac{1}{4}\right\}$

3) $6p(5p^2 - 3)$

4) $8(3k + 1)$

5) $10(10 + 3r + 2r^2)$

6) $2(7x^4 + 8x - 3)$

7) $9b(9b^4 - b - 6)$

8) $n^2(1 - 9n + 10n^6)$

9) $\{2, 0\}$

10) $\{6, 0\}$

11) $\{2, 0\}$

12) $\{-7, 0\}$