Algebra 1 ECA Remediation   Name_____

Homework 31.1
Solve each equation by factoring.

1) $(a + 6)(a + 3) = 0$

2) $(k - 5)(k + 4) = 0$

3) $v^2 + 2v - 35 = 0$

4) $b^2 + 7b = 0$

5) $x^2 + 14x = -49$

6) $x^2 + 10 = 7x$

Find each product.

7) $(2p - 8)(4p - 1)$

8) $(4x - 3)(2x + 2)$

Answers to Homework 31.1

1) $\{-6, -3\}$

2) $\{5, -4\}$

3) $\{5, -7\}$

4) $\{-7, 0\}$

5) $\{-7\}$

6) $\{5, 2\}$

7) $8p^2 - 34p + 8$

8) $8x^2 + 2x - 6$