

HW #16: Solve by Factoring**Solve each equation by factoring.**

1) $(5a + 1)(a - 4) = 0$

2) $(r + 8)(3r - 7) = 0$

3) $(3x - 4)(x + 1) = 0$

4) $(7m - 8)(m + 2) = 0$

5) $x^2 - 6x + 8 = 0$

6) $x^2 + 3x + 2 = 0$

7) $x^2 + 2x - 24 = 0$

8) $n^2 - 11n + 24 = 0$

$$9) 9n^2 + 3n - 56 = 0$$

$$10) 4b^2 + 11b - 20 = 0$$

$$11) 5x^2 - 37x + 14 = 0$$

$$12) 5x^2 + 24x - 36 = 0$$

$$13) 4n^2 + 23n + 15 = 0$$

$$14) 5n^2 + 13n - 6 = 0$$

$$15) m^2 - 100 = 0$$

$$16) 4b^2 - 36 = 0$$

$$17) p^2 + 81 = 0$$

$$18) 16v^2 + 64 = 0$$