5.4 Practice Problems		
Directions: Factor each completely.		
1) $v^2 - 12n + 36$	2) 16r <sup>2</sup> - 40r + 25 (4 r - 5)	3)-36x <sup>2</sup> +49 -(36x <sup>2</sup> -49) -(6x-7)(6x+7)
4) 6v2 + 90v + 300 G(J2 + 15 / 150) G(V + 5) (V + 10)	5) 5x² - 20 5(x² - 4) 5(x-2)(xn)	6) 75x3 - 30x2 + 3x 3x (25x2-10x + 1) 3x (5x + 1)2
7) 2r <sup>2</sup> - 4r + 2 2(1 <sup>2</sup> - 2r + 1) 2 (r-1) <sup>2</sup>	8) 18x² - 38x - 48 2(9x² - 19x - 24) + 49 2(9x + 8)(9x - 27) 2(9x+8)(x-3) 2(9x+8)(x-3)	9)-9x3+16x -X(GX - 16) -X(3X-4)(3X+4)
Directions: Solve each equation. Sketch it.		

10) 
$$4v^2 = 1$$

$$\frac{1}{4\sqrt{2} - 1} = 0$$

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

$$2y - 1 = 0 \text{ or } 2y + 1 = 0$$

$$2y = 1$$

$$\sqrt{-1} = 1$$

$$\sqrt{-1} = 1$$







