Questions?

Factor wksht #4

Factor completely

$$6(x-2)(x^2+2x+4)$$

2.
$$w^2 - 64$$
 $(\omega + 8)(\omega - 8)$

3.
$$x^4 - 121$$
 ($x^2 + 11$)($x^2 - 11$)

4.
$$3x^5 - 12x^2$$

 $3x^2(x^3 - 4)$

5.
$$-2b^2 + 6b + 80$$

-2 (b-8)(b+5)

6.
$$64y^3 + 27$$
 $(4y+3)(16y^2 - 12y+9)$

7.
$$x^2 + 14xy - 32y^2$$

(×+16y)(×-2y)

8.
$$6x^2 - x - 12$$

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

Name Le y

9.
$$216 - 343y^3 = (6 - 7y)(36 + 42y + 49y^2)$$

 $-1(7y - 6)(49y^2 + 42y + 36)$

10.
$$3ab - 5bc + bd$$

 $6(3a - 5c + d)$

11.
$$625y^4 - 16$$

$$(25y^2 + 4)(5y + 2)(5y - 2)$$

12.
$$x^2 - 3x - 2$$
 prime

13.
$$4x^3 + 40x^2 + 64x$$

$$4 \times (x + 8)(x + 2)$$

14.
$$2a^2 - 3ac + 4ab - 6bc$$

$$\left(2a - 3c\right)\left(a + 2b\right)$$

15.
$$xz - xw - yz + yw$$

$$(x - y) (\ge -\omega)$$

16.
$$3n^2 + 7n - 20$$
 $(3n - 5)(n + 4)$