HW 10-2 Secondary Math 3 Lite Name: ______ Class: _____

State the degree, zeros, and x-intercepts from the following

1. $f(x) = x^2(x-1)(x+4)$	2. $f(x) = (x+3)^3(x-2)^2$
Degree:	Degree:
Zeros:	Zeros:
x-intercepts:	x-intercepts:

State the degree, zeros, and x-intercepts after factoring 5. $f(x) = x^3 - x^2 - 12x$ 6. $f(x) = x^3 - x^2 - 2x$

Degree:	Degree:
Zeros:	Zeros:
x-intercepts:	x-intercepts:

7. $f(x) = x^3 - 5x^2 + 6x$ 8. $f(x) = x^3 - 3x^2 - 10x$

Degree:	Degree:
Zeros:	Zeros:
x-intercepts:	x-intercepts:

Given the following zeros, write a function in factored form

9. x = 1, 2, -3 10. x = -1, 4, 2 11. x = 3, 5, -4