1. The following polynomials are in factored form. State their degree, their leading coefficient, and their maximum number of turns. Then draw a sketch demonstrating their end-behavior.

<b>a)</b> $f(x) = -3x(x-2)(x+5)(x+1)$	<b>b)</b> $f(x) = (x-1)(x+3)^2$
Degree:	Degree:
LC:	LC:
y-intercept:	y-intercept:

2. Given each polynomial function, state the degree, the leading coefficient, and the *y*-intercept.

<b>b</b> ) $f(x) = (x+1)^2(x-4)(-2x+3)^2$
Degree:
LC:
y-intercept:
<b>d</b> ) $f(x) = -3(x-2)^2(x+5)$
Degree:
LC:
y-intercept:
<b>f</b> ) $f(x) = -(x-3)^3(x+1)(-2x+1)^2$
Degree:
LC:
y-intercept: