

Practice 6-2

#1-27 odds

$$\textcircled{1} y = (x-5)^3$$

$$y = (x-5)(x-5)(x-5)$$

$$0 = x-5 \quad 0 = x-5 \quad 0 = x-5$$

$x=5$ with a multiplicity of 3.

$$\textcircled{17} y = 2x^3 + 10x^2 + 12x$$

$$y = 2x(x^2 + 5x + 6)$$

a.c

$$\begin{array}{r} 6 \\ 3 \times 2 \\ + 5 \\ \hline 6 \end{array}$$

	x	3
x	x^2	$3x$
2	$2x$	6

$$y = 2x(x+2)(x+3)$$