

## Worksheet #5

$$\textcircled{1} \quad 2(x+1)(x-1)^3$$

$$\textcircled{2} \quad 2(x+4)(x-2)^4$$

$$\textcircled{3} \quad (x-6)^2(x-4)^6(x-5)(x-8)$$

$$\textcircled{4} \quad (3x-5)^4(13-2x)$$

$$\textcircled{5} \quad (x+12)(x-9)^5(x^3+15x^2-71x-1291)$$

$$\textcircled{6} \quad (2x-7)^4(x+6)^5(x^2+x-11)$$

$$\textcircled{7} \quad x = \frac{1}{2}, \frac{-13 \pm \sqrt{217}}{4}$$

$$\textcircled{8} \quad x = 3, -\frac{2}{5}, \frac{1}{6}$$

$$\textcircled{9} \quad x = -.471, 3.025, -.323, .167$$

$$\textcircled{10} \quad x = \frac{3}{4}, -5, \frac{1 \pm \sqrt{29}}{2}$$

$$\textcircled{11} \quad x = -1, -\frac{5}{3}, -2, -3$$

$$\textcircled{12} \quad x = -2, -1, 3$$