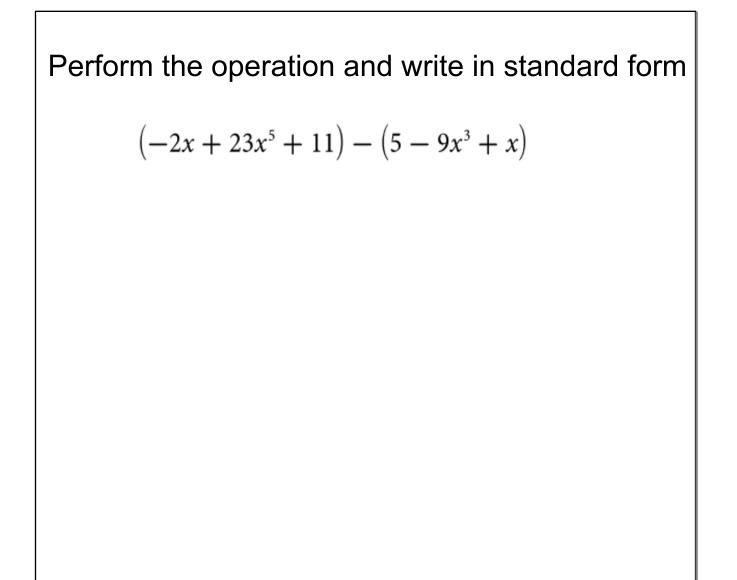
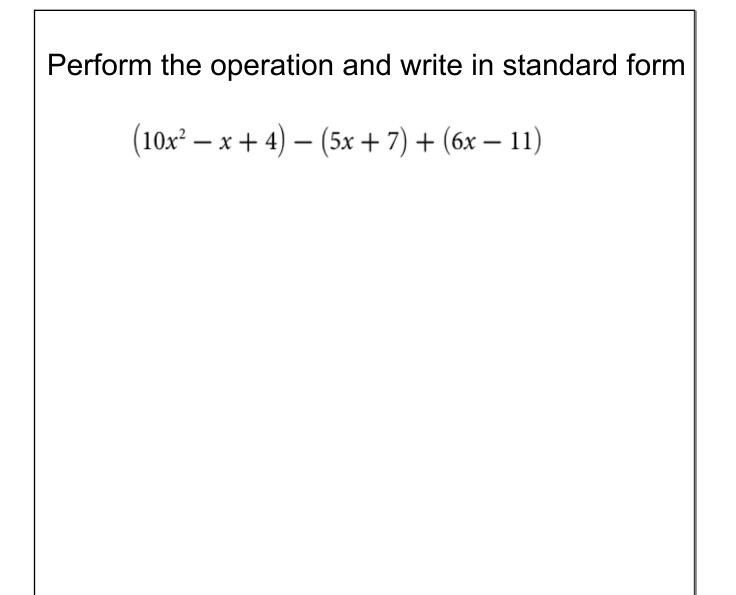
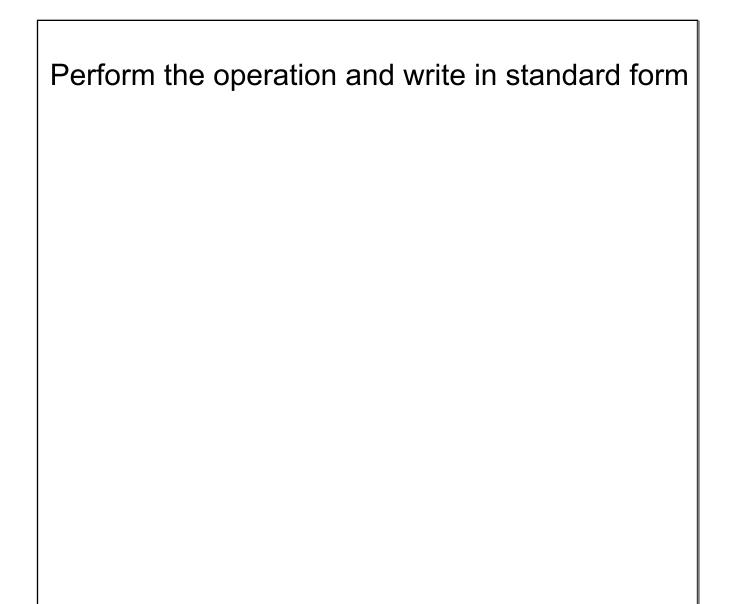


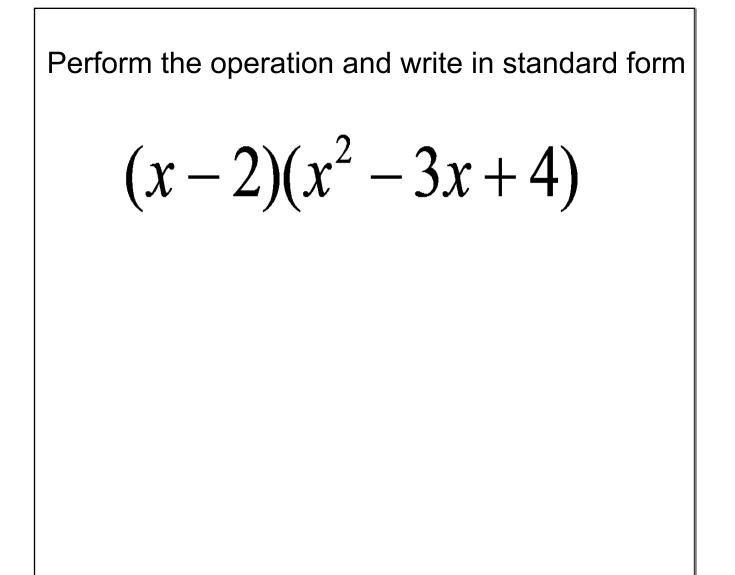


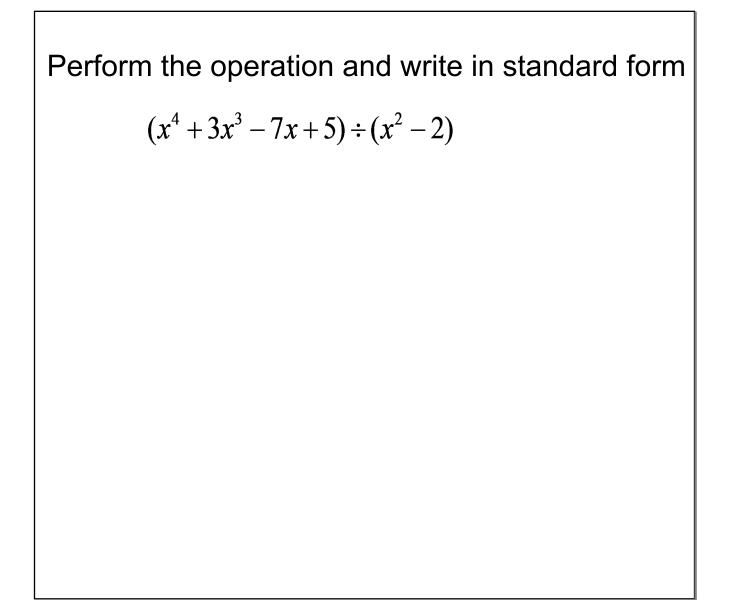
$$(82x^8 + 21x^2 - 6) + (18x + 7x^8 - 42x^2 + 3)$$

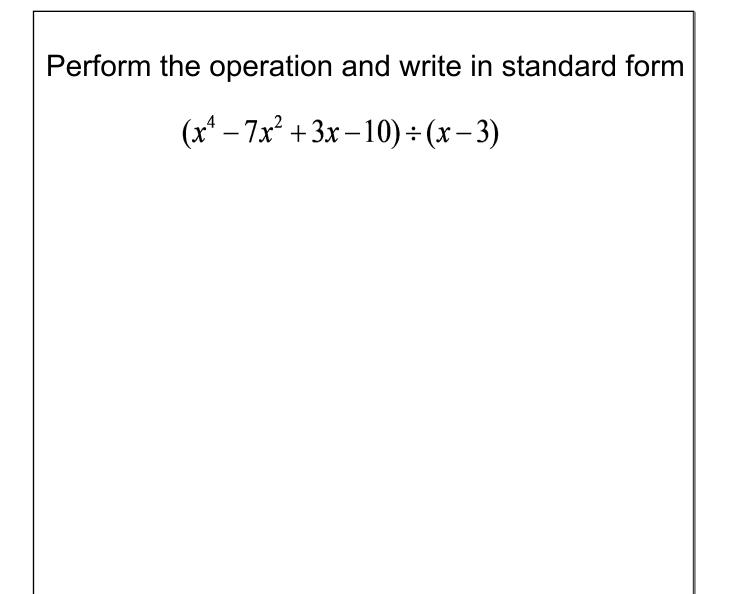


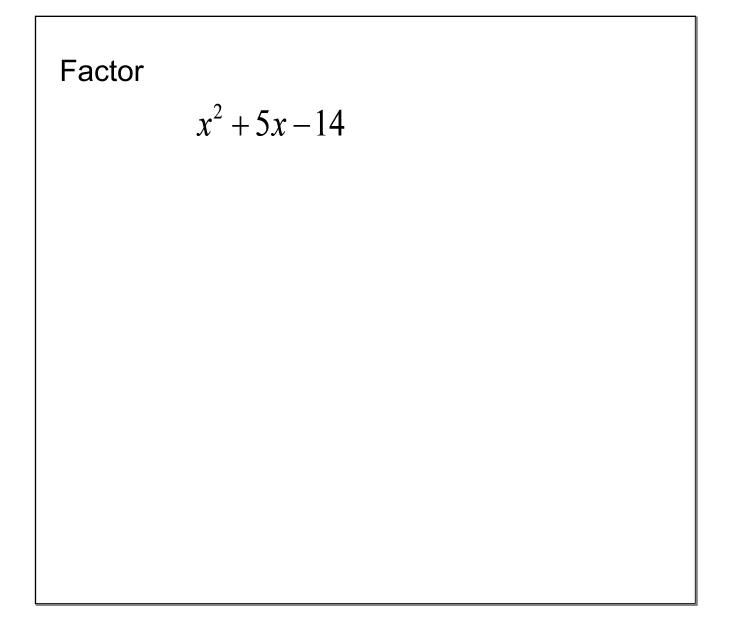


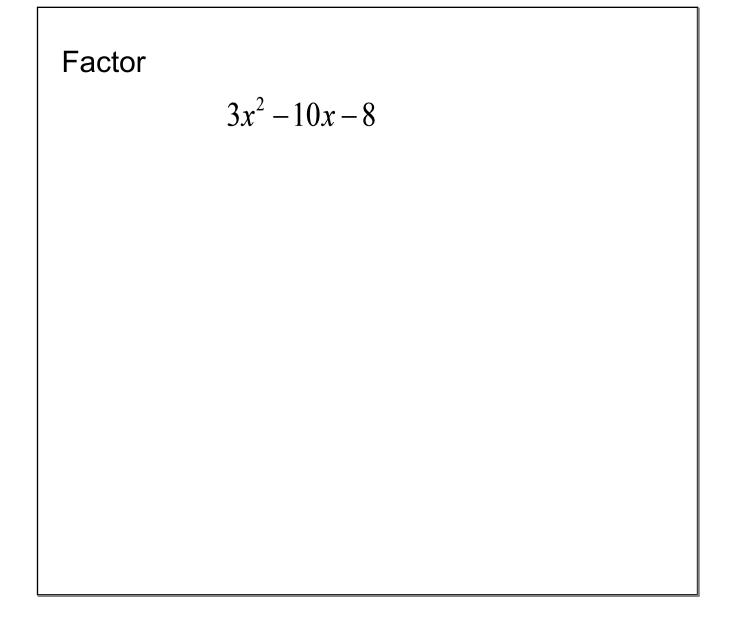


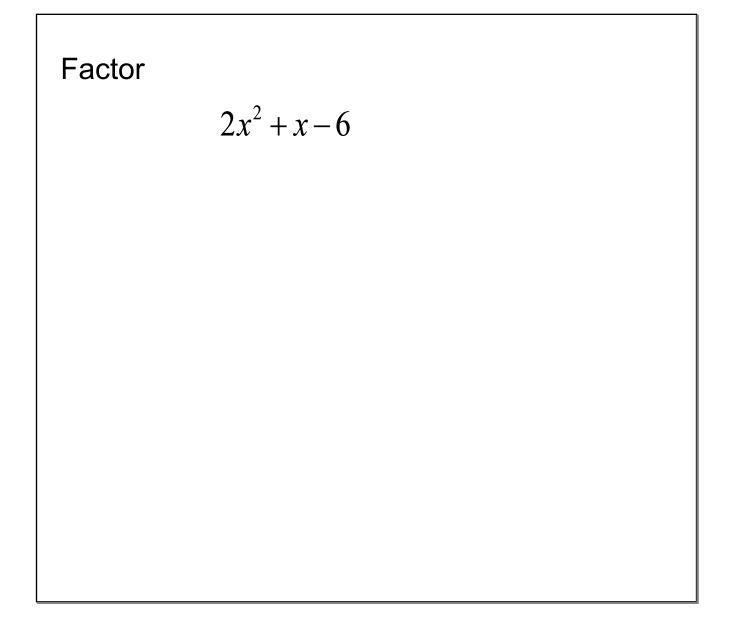


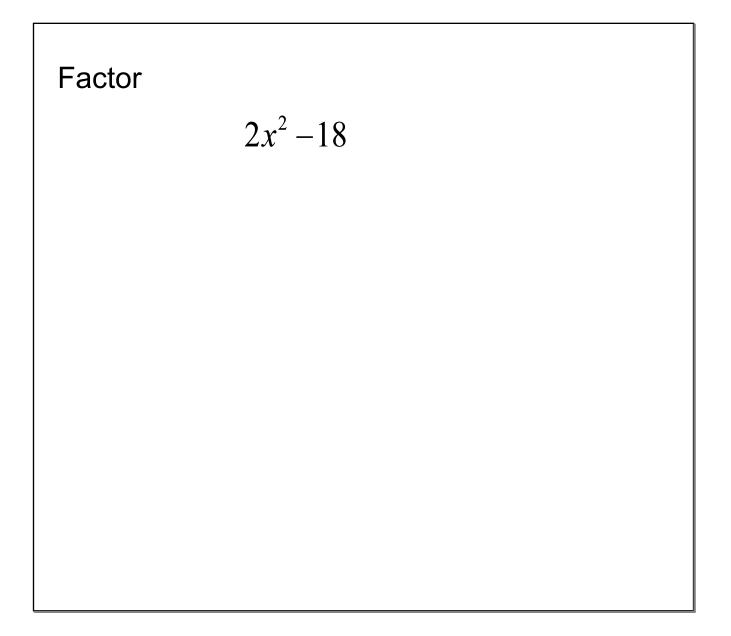


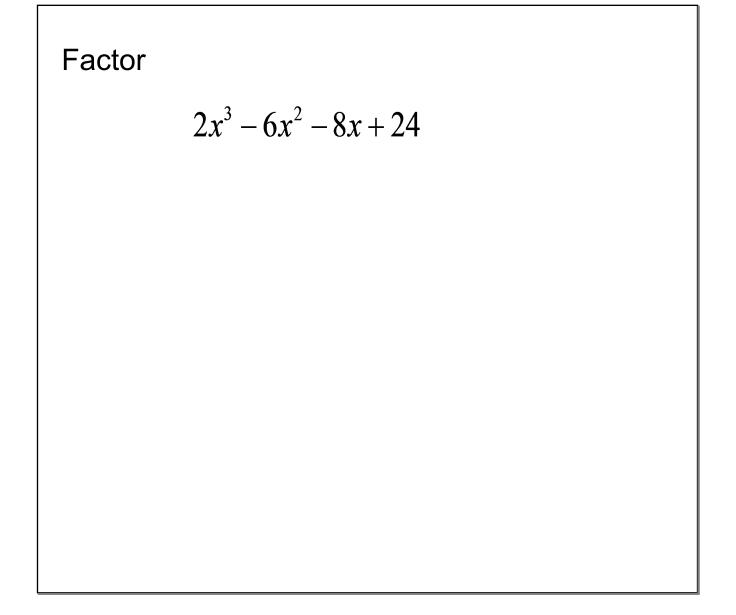


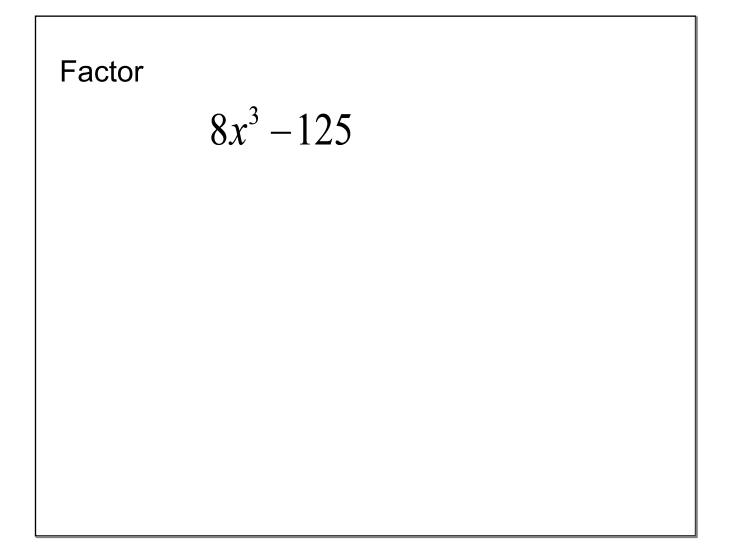


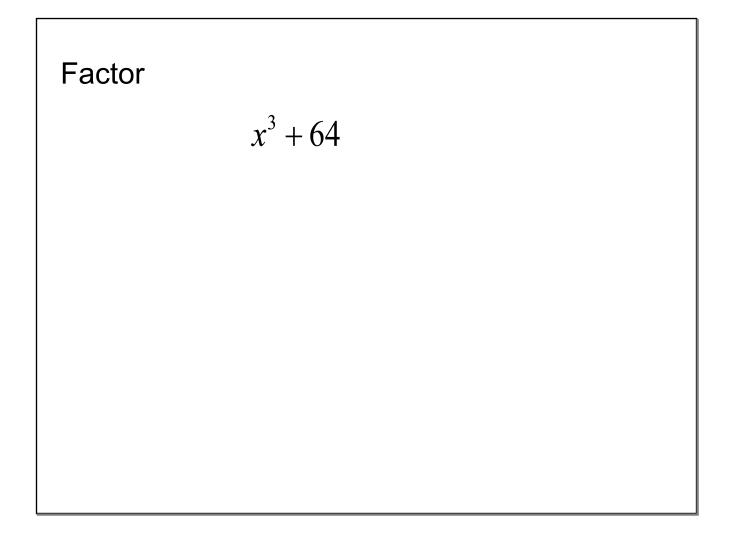












## Find the zeros and the multiplicities:

 $f(x) = (x-5)^2(x+3)^5(x+7)$ 



$$f(x) = -x^3(x+4)^4$$

$$f(x) = -3x^4 + 2x^3 + 6x - 4$$

$$f(x) = x^3 + 2x^2 - 7x - 13$$

$$f(x) = (x-1)^2(x+2)(x+4)$$

$$f(x) = -x^3(x+4)^4$$

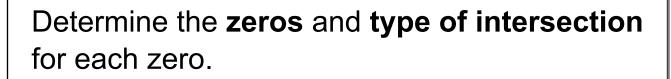
 $f(x) = -x(x+2)^2(x-5)^2(x-7)$ 

# Determine the **zeros** and **type of intersection** for each zero.

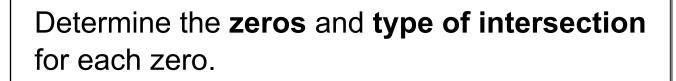
$$f(x) = -x(x+2)^2(x-5)^2(x-7)$$

# Determine the **zeros** and **type of intersection** for each zero.

$$f(x) = (x-5)^2(x+3)^5(x+7)$$



$$f(x) = -x^3(x+4)^4$$



$$f(x) = (x-1)^2(x+2)(x+4)$$

