Algebra 2 Hwk  $^{\#}$ 27 Factoring Polynomials Fall 2019 Name: Factor each completely. No, you're not solving so don't give me answers with x = 0.05. Show your work in order to get credit. Circle your answer.

1. 
$$6x^2 - 726$$

2. 
$$8x^3 - 72x$$

3. 
$$11x^5 - 176x$$

4. 
$$x^2 - 13x + 42$$

5. 
$$4x^4 - 36x^3 - 144x^2$$

6. 
$$3x^2 + x - 14$$

7. 
$$16x^3 - 36x^2 - 10x$$

8. 
$$x^4 - 3x^2 - 54$$