Factor each completely.   No, you're not solving so don't give me answers with $x =$.
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. $x^4 - 3x^2 - 54$