

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

**WS 13B.1 – Factoring Completely**

#1-10, Factor each polynomial completely until only prime factors remain.

1.  $5x^2 - 20$

2.  $4y^3 - 36yz^2$

3.  $2c^2 + 6c - 20$

4.  $10jk^2 + 35jk + 15j$

5.  $-10m^2 + 40m + 210$

6.  $12x^5 + 24x^4 + 12x^3$

7.  $-12m^7p^2 - 60m^6p^3 - 75m^5p^4$

8.  $2a^9 - 50a$

9.  $192w^6z^5 - 144w^5z^5 + 27w^4z^5$

10.  $3r^5 - 60r^3 + 192r$