**REDEMPTION HOMEWORK** – Factoring Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What two numbers have a product of 32 and a sum of 12? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. What two numbers have a product of 30 and a sum of ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. What two numbers have a product of 56 and a sum of 18? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. What two numbers have a product of 45 and a sum of 12? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Multiply. 6. Simplify by factoring.

7. Simplify by factoring. 8. Factor. 9. Factor.

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5. Multiply. 6. Simplify by factoring.

7. Simplify by factoring. 8. Factor. 9. Factor.