Quarterly Exam #4 Practice

1. Find the product of $4x + 2$ and $3x - 5$

2. Create any two binomials and find their product

3. Create any binomial and any trinomial and find their product

4. Create an equivalent expression by factoring: $x^4 - 64$

5. Create an equivalent expression by factoring: $x^4 - 10x^2 + 25$

6. If $A = 3x^2 - 10x + 5$ and $B = 6x - 1$, find $A \cdot B$

7. Find the zeros of $x^2 - 6x - 40$

8. How many possible integers for b exist where $x^2 + bx + 15$ can be written in an equivalent factored form? HINT: The answer is *not* 2

9. Rewrite as an equivalent expression by factoring: $x^2 + 3x - 88$

10. Graph the expression $x^2 + 11x + 24$ from $x = -9$ to $x = -2$. Include a table.