Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_

Multiplying Binomials

Simplify each product. Use any method. Show Work.

1. $\left(b-2\right)\left(b+1\right)$ 2. $\left(3n+1\right)\left(n-8\right)$

3. $\left(x+1\right)\left(x-11\right)$ 4. $\left(h-2\right)\left(3h+5\right)$

5. $\left(8w-3\right)\left(4w-7\right)$ 6 $\left(2t-7\right)\left(t-5\right)$

7. $\left(x+6\right)\left(x-7\right)$ 8. $\left(p-10\right)\left(2p+5\right)$

9. $\left(6d+4\right)\left(8d-3\right)$ 10. $\left(n+8\right)\left(2n-7\right)$

11. A rectangle has a length of $\left(x+2\right) inches$ and a width of $\left(2x+3\right) inches. $ Find an expression that represents the area of the rectangle. Write the expression in simplified form.