

Name: \_\_\_\_\_ Show work needed to justify your answer. Date: \_\_\_\_\_

**HW # 60a:** Algebra 1 - Standard 38 - Using the Distributive Property

5 points

**Factor each polynomial.**

11.  $fg - 5g + 4f - 20$

12.  $a^2 - 4a - 24 + 6a$

13.  $hj - 2h + 5j - 10$

17.  $3dt - 21d + 35 - 5t$

19.  $21th - 3t - 35h + 5$

20.  $vp + 12v + 8p + 96$

21.  $5br - 25b + 2r - 10$

22.  $2nu - 8u + 3n - 12$

25.  $2a^2 - 4a + a - 2$

48. **PRECISION** Choose a value,  $q$ , so that  $2x^2 + qx + 7x - 21$  can be factored by grouping. Then factor the expression.