

Name _____ Hour _____ Date _____

2-1 Worksheet

Simplify each expression:

1. $7 - 3y + 8 + 10y$

2. $3(x - 2y) + 5x$

3. $21c + 5d(1 - c) - cd$

4. $16j - 4(7k - 3j) + 25k$

5. $r^2 + rt + 3t(r + t) + 2t^2$

6. $m^4 + 3m^2n + 2m(mn + n^2) + (3m^2)^2$

Solve each equation:

7. $3(x + 9) = 63$

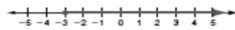
8. $x + 5 = 29 - 3x$

9. $8y + y = 3y + 30$

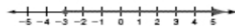
10. $7(y - 4) = 98$

11. $12 - 3(w + 7) > 15$

12. $4(8 - p) - (7 - p) \leq 22$



13. $3k - 14k + 25 < 2 - 6k - 12$



14. $2(2k + 3) + 5 \geq 5(k - 1) + 10$

