

Copy these problems on a separate piece of paper. You must show your work for credit.

Simplify each expression:

1. $7g - 2g(6g - 5) + \frac{7}{6}(15g + 8) - 2$

2. $2ab^2(3a^2 - 4ab + 2b^2) - 7a^2b^3 + 5a^3b^2$

Find the solution to each.

2. $\frac{7}{2} + \frac{5}{3}m - \frac{11}{12} = 4$

3. $5 - 4(c + 7) + 12c \leq 5c + 4 + 3(c - 9)$

Simplify each.

4. $\sqrt{396}$

5. $\sqrt[3]{320}$

6. $\sqrt[4]{324}$