

## Summer Work

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

**Solve each equation.**

1)  $6(1 - 8x) = 390$

2)  $6(2r - 5) - 7 = -97$

3)  $2(1 + 6n) - 6 = 92$

4)  $-192 = -6(2 + 6m)$

5)  $-4(1 - 5v) = -164$

6)  $-8 = -\frac{2}{3}a - \frac{7}{3}a$

7)  $\frac{2}{3}v + 2 + 1\frac{1}{2} = \frac{31}{18}$

**Simplify.**

8)  $\sqrt{392}$

9)  $\sqrt{28}$

10)  $\sqrt{125}$

11)  $9\sqrt{1000}$

12)  $10\sqrt{112}$