

Prep Homework

Period _____

Simplify.

1) $\sqrt{343b^4}$

2) $\sqrt{128}$

3) $\sqrt{150x^3}$

4) $4\sqrt{72b^4}$

5) $\sqrt{288p^3q^3r}$

6) $\sqrt[3]{-81n^2}$

7) Give 4 factors of 24.

8) Give 2 multiples of 24.

9) Give all the factors of 6.

10) Can you give all the multiples of 6? Why or why not?

Simplify each expression by distributing.

11) $-8n(4n + 2)$

12) $-5(2 + 8m)$

Factor (undistribute) the following expressions.

13) $12v^2 - 15$

14) $-18n + 48$

15) $21m + 3$

16) $-16n^2 - 8n$

17) $2a^3 + 5a^6$

18) $-20x^3 - 10x$