

Homework 29.1

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Simplify.

1) $\sqrt{196}$

2) $3\sqrt{12}$

3) $\sqrt{20x^4}$

4) $\sqrt{18n}$

5) $\sqrt{24hj^4k}$

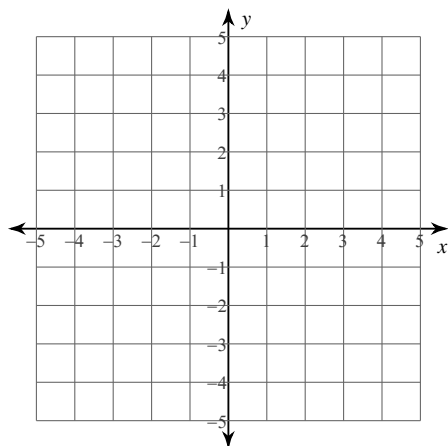
6) $\sqrt{8x^2y^3z^3}$

- 7) The school that Natalie goes to is selling tickets to a play. On the first day of ticket sales the school sold 6 adult tickets and 6 child tickets for a total of \$138. The school took in \$168 on the second day by selling 6 adult tickets and 9 child tickets. Find the price of an adult ticket and the price of a child ticket.

Sketch the solution to each system of inequalities.

8) $y \leq -\frac{2}{3}x + 1$

$y \leq -2x - 3$



Answers to Homework 29.1

1) 14

2) $6\sqrt{3}$

3) $2x^2\sqrt{5}$

4) $3\sqrt{2n}$

5) $2j^2\sqrt{6hk}$

6) $2xyz\sqrt{2yz}$

7) adult ticket: \$13, child ticket: \$10

8)

