

Homework 29.2

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Simplify.

1) $\sqrt{144}$

2) $8\sqrt{16}$

3) $\sqrt{63m}$

4) $\sqrt{64r}$

5) $\sqrt{63a^2bc^2}$

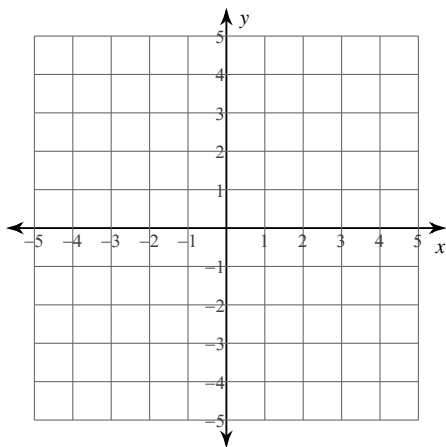
6) $\sqrt{36h^2j^3k^4}$

- 7) Molly's school is selling tickets to a choral performance. On the first day of ticket sales the school sold 14 senior citizen tickets and 13 student tickets for a total of \$248. The school took in \$240 on the second day by selling 14 senior citizen tickets and 11 student tickets. What is the price each of one senior citizen ticket and one student ticket?

Sketch the solution to each system of inequalities.

8) $y > \frac{3}{2}x - 2$

$$y \geq -\frac{1}{2}x + 2$$



Answers to Homework 29.2

1) 12

2) 32

3) $3\sqrt{7m}$

4) $8\sqrt{r}$

5) $3ac\sqrt{7b}$

6) $6k^2hj\sqrt{j}$

7) senior citizen ticket: \$14, student ticket: \$4

8)

