

Homework 29.3

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Simplify.

1) $\sqrt{32}$

2) $-6\sqrt{288}$

3) $\sqrt{196k}$

4) $\sqrt{512a^4}$

5) $\sqrt{180p^2qr}$

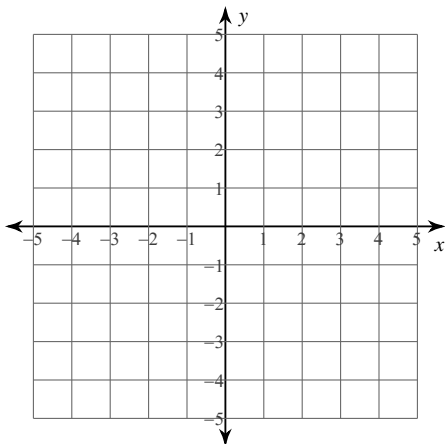
6) $\sqrt{343xy^3z^2}$

- 7) Rob's school is selling tickets to a spring musical. On the first day of ticket sales the school sold 9 senior citizen tickets and 10 student tickets for a total of \$129. The school took in \$118 on the second day by selling 8 senior citizen tickets and 10 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) $y < -\frac{1}{2}x - 2$

$y < 2x + 3$



Answers to Homework 29.3

1) $4\sqrt{2}$
 5) $6p\sqrt{5qr}$
 8)

2) $-72\sqrt{2}$
 6) $7yz\sqrt{7xy}$

3) $14\sqrt{k}$

4) $16a^2\sqrt{2}$

7) senior citizen ticket: \$11, student ticket: \$3

