

M\$5 Homework 18

In 1 – 6, express in simplest radical form.

1. $\sqrt{136}$

2. $\sqrt{144a^4}$

3. $\sqrt{18x^6y^{10}}$

4. $-5\sqrt{49x^3z^4}$

5. $\sqrt{\frac{8}{49}}$

6. $\sqrt{\frac{9x^4}{x^6b^2}}$

7. Reduce to lowest terms: $\frac{6x^2 - 5x - 4}{8 - 2x - 3x^2}$

8. The length of a rectangle is $\frac{2x+4}{x^2-9}$ and its width is $\frac{3}{x-3}$. Express the perimeter of the rectangle as a single fraction in simplest form.

9. Solve for all values of x : $3|x-4|+10 \geq 16$