

Math 0406 – Beginning Algebra
Radicals: Simplifying

1. $-\sqrt{49}$

2. $4\sqrt{36a^8}$

3. $2a\sqrt{49a^{10}}$

4. $\sqrt{50x^3y^2}$

5. $\sqrt{-9x^2}$

6. $2xy\sqrt{242x^7y^5}$

7. $\sqrt{32a^2b^3c^5}$

Solutions

1. -7

2. $24a^4$

3. $14a^6$

4. $5xy\sqrt{2x}$

5. Not a real number

6. $22x^4y^3\sqrt{2xy}$

7. $4abc^2\sqrt{2bc}$