

Math 0406 – Beginning Algebra
Radical: Addition/Subtraction

1. $3\sqrt{5} + 4\sqrt{5}$

2. $3x\sqrt{7} - 4x\sqrt{7}$

3. $3x\sqrt{2} - 4x\sqrt{2} + x\sqrt{2}$

4. $\sqrt{8} - \sqrt{32} - \sqrt{18}$

5. $\sqrt{48} - 3\sqrt{27} + 2\sqrt{75}$

6. $2\sqrt{50x^2} - 8x\sqrt{18} - 3\sqrt{72x^2}$

7. $9a\sqrt{20a^3b^2} + 7b\sqrt{45a^5}$

Solutions:

1. $7\sqrt{5}$

2. $-x\sqrt{7}$

3. 0

4. $-5\sqrt{2}$

5. $5\sqrt{3}$

6. $-32x\sqrt{2}$

7. $39a^2b\sqrt{5a}$