# NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PER.\_\_\_\_\_\_

## 14.1 – ADDING & SUBTRACTING RADICALS

Simplify.

|  |  |
| --- | --- |
| 1. $8\sqrt{3}-6\sqrt{3}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 2. $9\sqrt{5}+4\sqrt{5}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3. $-13\sqrt{17}-7\sqrt{17}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. $5\sqrt{80}-12\sqrt{5}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $5\sqrt{3}+2\sqrt{75}=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 6. $-2\sqrt{24}-3\sqrt{6}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. $3\sqrt{32}-4\sqrt{63}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 8. $3\sqrt{45}+7\sqrt{36}= $\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. $5\sqrt{28}+2\sqrt{45}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 10. $-4\sqrt{75}+3\sqrt{147}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 11. $-11\sqrt{8}-7\sqrt{12}=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 12. $\sqrt{150}-5\sqrt{96}= $\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. $9\sqrt{13}-6\sqrt{11}+\sqrt{13}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $-4\sqrt{2}+6\sqrt{72}-8\sqrt{32}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $5\sqrt{28}+2\sqrt{7}-\sqrt{14}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $-3\sqrt{72}+6\sqrt{52}-7\sqrt{128}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $-\sqrt{338}-\sqrt{200}+\sqrt{162}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $4\sqrt{112}+5\sqrt{56}-9\sqrt{126}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |