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

## SQUARE ROOTS

Simplify.

|  |  |
| --- | --- |
| 1. $8\sqrt{3}-6\sqrt{3}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 1. $9\sqrt{5}+4\sqrt{5}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $5\sqrt{3}+2\sqrt{75}=$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 1. $-2\sqrt{24}-3\sqrt{6}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $3\sqrt{32}-4\sqrt{63}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | 1. $3\sqrt{45}+7\sqrt{36}= $\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $-4\sqrt{2}+6\sqrt{72}-8\sqrt{32}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $5\sqrt{28}+2\sqrt{7}-\sqrt{14}=$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. $\sqrt{3}∙\sqrt{11}=$ \_\_\_\_\_\_\_\_\_\_
 | 1. $\left(-4\sqrt{3}\right)\left(-2\sqrt{5}\right)=$ \_\_\_\_\_\_\_\_\_\_

  |
| 1. $\left(\sqrt{11}\right)^{2}=$ \_\_\_\_\_\_\_\_\_\_
 | 1. $\left(\sqrt{6}\right)^{2}=$ \_\_\_\_\_\_\_\_\_\_
 |
| 1. $3\sqrt{7}∙5\sqrt{7}=$ \_\_\_\_\_\_\_\_\_\_
 | 1. $-2\sqrt{4}∙4\sqrt{5}=$ \_\_\_\_\_\_\_\_\_\_
 |
| 1. $\sqrt{\frac{11}{2}}∙\sqrt{\frac{7}{18}}=$ \_\_\_\_\_\_\_\_\_\_

  | 1. $\sqrt{\frac{3}{8}}∙\sqrt{\frac{7}{2}}=$ \_\_\_\_\_\_\_\_\_\_
 |
| 1. $\sqrt{\frac{5}{4}}∙\sqrt{\frac{8}{9}}=$ \_\_\_\_\_\_\_\_\_\_
 | 1. $\left(-5\sqrt{8}\right)\left(-3\sqrt{5}\right)=$ \_\_\_\_\_\_\_\_\_\_
 |

|  |  |
| --- | --- |
| 1. $\frac{9}{\sqrt{5}}=$\_\_\_\_\_\_\_\_\_\_
 | 1. $\frac{3}{\sqrt{6}}=$\_\_\_\_\_\_\_\_\_\_
 |
| 1. $\frac{\sqrt{150}}{\sqrt{2}}=$\_\_\_\_\_\_\_\_\_\_
 | 1. $\frac{7}{\sqrt{7}}=$\_\_\_\_\_\_\_\_\_\_
 |
| 1. $\frac{3\sqrt{20}}{\sqrt{5}}=$\_\_\_\_\_\_\_\_\_\_
 | 1. $\frac{25}{\sqrt{5}}=$\_\_\_\_\_\_\_\_\_\_
 |
| 1. $\sqrt{\frac{2}{3}}=$\_\_\_\_\_\_\_\_\_\_
 | 1. $\sqrt{\frac{2}{11}}=$\_\_\_\_\_\_\_\_\_\_
 |
| 1. $\sqrt{\frac{3}{25}}=$\_\_\_\_\_\_\_\_\_\_
 | 1. $\frac{\sqrt{36}}{\sqrt{5}}=$\_\_\_\_\_\_\_\_\_\_
 |