

2-2 學習單(一) 姓名：\_\_\_\_\_

計算下列各式的值：

(1)  $-5 \times \frac{1}{3}\sqrt{5} =$

(2)  $\frac{-2}{3} \times -\frac{1}{6}\sqrt{7} =$

(3)  $\frac{-7}{6} \times \frac{3}{7}\sqrt{8} =$

(4)  $-\frac{10}{6} \times \frac{4}{5}\sqrt{10} =$

(5)  $3\sqrt{7} \times 6\sqrt{3} =$

(6)  $(-5\sqrt{2}) \times (-3\sqrt{7}) =$

(7)  $(-4\sqrt{5}) \times (-4\sqrt{8}) =$

(8)  $2\sqrt{5} \times (-5\sqrt{3}) =$

(9)  $7\sqrt{5} \times -\frac{1}{7}\sqrt{6} =$

(10)  $(-2\sqrt{3}) \times 6\sqrt{7} =$

2-2 學習單(二) 姓名：\_\_\_\_\_

化簡下列各根式：

(1)  $\sqrt{56} =$

(2)  $\sqrt{270} =$

(3)  $\sqrt{180} =$

(4)  $\sqrt{1500} =$

(5)  $\sqrt{9 \times 125 \times 8} =$

(6)  $\sqrt{10 \times 20 \times 40} =$

(7)  $\sqrt{21 \times 63 \times 15} =$

(8)  $\sqrt{19 \times 12 \times 27} =$

(9)  $\sqrt{12} \times \sqrt{6} =$

(10)  $\sqrt{24} \times \sqrt{27} =$