

## Exercise 72

Express these with rational denominators.

$$1 \frac{1}{\sqrt{3}}$$

$$2 \frac{1}{\sqrt{2}}$$

$$3 \frac{1}{\sqrt{5}}$$

$$4 \frac{1}{\sqrt{7}}$$

$$5 \frac{3}{\sqrt{3}}$$

$$6 \frac{2}{\sqrt{2}}$$

$$7 \frac{4}{\sqrt{2}}$$

$$8 \frac{6}{\sqrt{3}}$$

$$9 \frac{4}{\sqrt{12}}$$

$$10 \frac{6}{\sqrt{8}}$$

$$11 \frac{3}{2\sqrt{2}}$$

$$12 \frac{5}{2\sqrt{3}}$$

$$13 \frac{1 + \sqrt{2}}{\sqrt{2}}$$

$$14 \frac{1 + \sqrt{3}}{\sqrt{3}}$$

**EXERCISE 72**

1  $\frac{\sqrt{3}}{3}$

2  $\frac{\sqrt{2}}{2}$

3  $\frac{\sqrt{5}}{5}$

4  $\frac{\sqrt{7}}{7}$

5  $\sqrt{3}$

6  $\sqrt{2}$

7  $2\sqrt{2}$

8  $2\sqrt{3}$

9  $\frac{2\sqrt{3}}{3}$

10  $\frac{3\sqrt{2}}{2}$

11  $\frac{3\sqrt{2}}{4}$

12  $\frac{5\sqrt{3}}{6}$

13  $\frac{(2+\sqrt{2})}{2}$

14  $\frac{(3+\sqrt{3})}{3}$