

Name _____

Rational and Irrational Numbers

Tell whether the following numbers are rational or irrational.

Remember: (i) Sum of a rational and an irrational is irrational.
(ii) Difference of a rational and an irrational is irrational.
(iii) Product of a rational and an irrational is irrational.
(iv) Quotient of a rational and an irrational is irrational.

1) $3 + \sqrt{24}$

2) $9 - \sqrt{15}$

3) $5 + \sqrt{25}$

4) $\sqrt{18} + \sqrt{33}$

5) $\sqrt{49} + \sqrt{16}$

6) $\sqrt{12} + \sqrt{64}$

7) $\sqrt{15} \times \sqrt{20}$

8) $\sqrt{2} \times \sqrt{32}$

9) $\sqrt{8} \times \sqrt{18}$

10) $\sqrt{\frac{15}{25}}$

11) $\sqrt{\frac{3}{81}}$

12) $\sqrt{\frac{14}{60}}$
