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) $3 + \sqrt{24}$ Irrational

2) $9 - \sqrt{15}$ Irrational

3) $5 + \sqrt{25}$ Rational

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

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

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

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

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

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

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

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

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

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