

Name: _____ Period: _____ Date: _____

Properties of Irrational Numbers Assignment

Math 8

Identify if the answer will be rational or irrational.

1. $\pi + 2$

2. $\sqrt{7} - \sqrt{6}$

3. $\sqrt{15} * \frac{1}{\sqrt{15}}$

4. $\sqrt{5} \div \sqrt{2}$

5. $32\pi + (0.5\pi + 12, 35)$

6. $3 - \sqrt{8}$

7. $\sqrt{111} * \frac{1}{\sqrt{111}} + 1$

8. $\sqrt{31} - \sqrt{31} + \sqrt{31}$

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9. $(1.237 - 8) * \frac{1}{\sqrt{12}}$

10. $\sqrt{7} * \sqrt{7} * \sqrt{7} * \sqrt{7}$

11. $12 - (\sqrt{41})^3$

12. $\sqrt{133} \div \sqrt{133} * \sqrt{133}$

Insert a rational and an irrational number between each numbers

13. 4 and 5

14. 5 and 7

15. 11 and 13

16. 5 and 6

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17. 10 and 11

18. 45 and 46

19. 8 and 9

20. 15 and 16