

Name: _____

Algebra I

Date: _____

Directions: Rationalize the denominator.

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

2. $\frac{5}{\sqrt{8}}$

3. $\frac{30}{\sqrt{3}}$

4. $\frac{10}{\sqrt{2}}$

5. $\frac{6}{\sqrt{4}}$

6. $\frac{15}{\sqrt{5}}$

7. $\frac{100}{\sqrt{10}}$

8. $\frac{9}{\sqrt{4}}$

9. $\frac{5}{\sqrt{x}}$

10. $\frac{2}{\sqrt{4x}}$

11. $\frac{4}{2+\sqrt{2}}$

12. $\frac{6}{\sqrt{3}+4}$

13. $\frac{2}{\sqrt{2}+3}$

14. $\frac{10}{5-\sqrt{6}}$

15. $\frac{12}{\sqrt{3}-8}$

16. $\frac{7}{\sqrt{7}-1}$

17. $\frac{1}{\sqrt{3}-5}$

18. $\frac{9}{\sqrt{5}+1}$

19. $\frac{6}{2-\sqrt{3}}$

20. $\frac{10}{6-\sqrt{5}}$