Rationalizing the denominator

Name _____ Date _____

1. $\frac{36}{5+\sqrt{7}} =$ _____

2. $\frac{3}{\sqrt{5}} =$ _____

3. $\frac{12}{\sqrt{11}} =$ _____

4. $\frac{33}{6-\sqrt{3}} =$ _____

5. $\frac{4}{3+\sqrt{5}} =$ _____

6. $\frac{4}{\sqrt{7}} =$ _____

7. $\frac{10}{4+\sqrt{6}} =$ _____

8. $\frac{4}{3-\sqrt{5}} =$ _____

9. $\frac{3}{\sqrt{5}} =$ _____

10. $\frac{4}{2+\sqrt{6}} =$ _____

11. $\frac{8}{3+\sqrt{5}} =$ _____

12. $\frac{10}{\sqrt{6}} =$ _____

13. $\frac{6}{\sqrt{5}} =$ _____

14. $\frac{4}{\sqrt{2}} =$ _____

15. $\frac{2}{2-\sqrt{3}} =$ _____

16. $\frac{6}{\sqrt{11}} =$ _____

17. $\frac{33}{6-\sqrt{3}} =$ _____

18. $\frac{2}{\sqrt{5}} =$ _____

Rationalizing the denominator

19. $\frac{14}{5-\sqrt{11}} =$ _____

20. $\frac{8}{\sqrt{3}} =$ _____

21. $\frac{7}{\sqrt{6}} =$ _____

22. $\frac{36}{5-\sqrt{7}} =$ _____

23. $\frac{33}{4+\sqrt{5}} =$ _____

24. $\frac{3}{\sqrt{3}} =$ _____

25. $\frac{8}{\sqrt{3}} =$ _____

26. $\frac{5}{\sqrt{7}} =$ _____

27. $\frac{40}{5+\sqrt{5}} =$ _____

28. $\frac{3}{3-\sqrt{10}} =$ _____

29. $\frac{18}{1+\sqrt{10}} =$ _____

30. $\frac{19}{5-\sqrt{6}} =$ _____

31. $\frac{10}{1+\sqrt{6}} =$ _____

32. $\frac{3}{\sqrt{7}} =$ _____

33. $\frac{3}{2-\sqrt{7}} =$ _____

34. $\frac{12}{\sqrt{6}} =$ _____