

Name \_\_\_\_\_  
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Date \_\_\_\_\_  
Pre Calculus

## *Reducing Square Roots*

Reduce the following radicals into simplest form

1.  $\sqrt{64}$

2.  $\sqrt{50}$

3.  $3\sqrt{162}$

4.  $2\sqrt{32}$

5.  $4\sqrt{45}$

6.  $2\sqrt{75}$

7.  $3\sqrt{20}$

8.  $5\sqrt{54}$

$$9. 3x\sqrt{48x^3y^4}$$

$$10. 5y\sqrt{100x^8y^7}$$

$$11. 3xy^2\sqrt{98x^4y^7}$$

$$12. 6y^2\sqrt{28xy^5}$$

$$13. 4ab^3\sqrt{9a^9b^{12}}$$

$$14. 8m^2n\sqrt{125m^8n^6}$$

$$15. 2p^2q\sqrt{147p^9q^{12}}$$

$$16. 3xy\sqrt{192x^9y^{13}}$$