

UNIT 9 DAY 4 HOMEWORK: SIMPLIFYING RADICALS

Name: key

Simplify completely

1)  $\sqrt{81x^2}$   
 $9x$

2)  $\sqrt{48}$   
 $4\sqrt{3}$

3)  $\sqrt{27x^6}$   
 $3x^3\sqrt{3}$

4)  $\sqrt{600x^3}$   
 $10x\sqrt{6x}$

5)  $b\sqrt{250b^7}$   
 $5b^4\sqrt{10b}$

6)  $2y\sqrt{72x^3y^8}$   
 $6y^5\sqrt{2}$

7)  $\sqrt{10k^2} \cdot \sqrt{10k}$   
 $10k\sqrt{k}$

8)  $\sqrt{15n^3} \cdot \sqrt{10n^3}$   
 $5n^3\sqrt{6}$