Name _____

1 Simplify the radical

$$\sqrt{2^2 \cdot 2^2 \cdot 3}$$

A	B	C	D	E
3	$5\sqrt{3}$	$4\sqrt{5}$	$7\sqrt{5}$	$4\sqrt{3}$

2 Simplify the radical

$$\sqrt{3^2 \cdot 11}$$

A	B	C
$\sqrt{13}$	$3\sqrt{11}$	$3\sqrt{10}$
D	E	
$3\sqrt{9}$	$4\sqrt{7}$	

3 Simplify the radical

$$\sqrt{2^2 \cdot 2^2 \cdot 5}$$

A	B	C	D	E
$2\sqrt{5}$	$4\sqrt{5}$	$\sqrt{5}$	$5\sqrt{2}$	$7\sqrt{5}$

4 Simplify the radical

$$\sqrt{2^2 \cdot 2}$$

A	B	C
4	1	$4\sqrt{3}$
D		
$2\sqrt{2}$		

5 Simplify the radical

$$\sqrt{2^2 \cdot 11}$$

A	B	C
$2\sqrt{11}$	$\sqrt{9}$	$4\sqrt{9}$
D	E	
$4\sqrt{11}$	$\sqrt{8}$	

6 Simplify the radical

$$\sqrt{5^2 \cdot 11}$$

A	B	C
$4\sqrt{8}$	$4\sqrt{7}$	$\sqrt{14}$
D	E	
$5\sqrt{14}$	$5\sqrt{11}$	

7 Simplify the radical

$$\sqrt{2^2 \cdot 5}$$

A	B	C
$3\sqrt{7}$	$4\sqrt{7}$	$3\sqrt{5}$
D	E	
$4\sqrt{2}$	$2\sqrt{5}$	