Name

Radicals - Square - Simplifying, Values and Variables, Radical Remaining

1 Simplify the radical

$$\sqrt{50y^4r}$$

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

2 Simplify the radical

$$\sqrt{18y^2b^3}$$

A	$4yb^3\sqrt{3b^2}$	B	$2y^2b^2\sqrt{b^3}$
C	$3yb\sqrt{2b}$	D	$yb\sqrt{b^3}$
E	$4yb\sqrt{3b}$		

3 Simplify the radical

$$\sqrt{8bx^3}$$

A $x\sqrt{bx^2}$	B $2x\sqrt{2bx}$	
C $2x\sqrt{3b^3x^3}$	D $x\sqrt{5bx}$	

4 Simplify the radical

$$\sqrt{32r^5d^5}$$

A $4r^3d\sqrt{r^2d^2}$	B $4r^2d^2\sqrt{2rd}$	
C $r^2d^3\sqrt{4rd}$	D $4r^2d^2\sqrt{rd}$	
E $4r^4d\sqrt{r^3d}$		

5 Simplify the radical

$$\sqrt{27b^4x}$$

A $b^4\sqrt{6x}$	B $4b^2\sqrt{4x^2}$	C $b\sqrt{2x}$
D $3b^2\sqrt{3x}$	E $2b\sqrt{5x}$	

6 Simplify the radical

$$\sqrt{20x^5d^4}$$

A $x^4d^2\sqrt{2x^3}$	B $2x^2d^2\sqrt{5x}$	
C $3xd^3\sqrt{6x}$	D $xd^3\sqrt{3x}$	
E $x^4d\sqrt{7x^2}$		

7 Simplify the radical

$$\sqrt{99z^3m^5}$$

A	$6zm^4\sqrt{12z^2m^3}$	B	$3zm^2\sqrt{11zm}$
C	$5zm^2\sqrt{9z^3m^2}$	D	$zm\sqrt{13z^2m^2}$
E	$z^3m^4\sqrt{7z^2m^3}$		

8 Simplify the radical

$$\sqrt{275b^4d^5}$$

A	$4b^3d\sqrt{14d^3}$	B	$8bd\sqrt{7d}$
C	$4b^3d\sqrt{11d^3}$	D	$7bd^4\sqrt{12d}$
E	$5b^2d^2\sqrt{11d}$		