

$$1.$$
 x^2y

2.
$$x^2y$$

3.
$$-5x^2y$$

3.
$$-5x^2y$$
4. $-6x^4y^2$

$$=2x\sqrt{x^2y^2}-3\sqrt{x^4y^2}$$

$$= 2X^{2}y - 3X^{2}y = -X^{2}y$$

11. Simplify the expression: $\sqrt{5}(\sqrt{10} + 2\sqrt{5})$

$$\begin{array}{c}
1. \quad 0 + 5\sqrt{2} \\
2. \quad 5 + 10\sqrt{2}
\end{array}$$

3.
$$15\sqrt{2}$$

4.
$$\sqrt{15} + 2\sqrt{10}$$

4. The expression
$$\frac{2+\sqrt{3}}{2-\sqrt{3}}$$
 is equivalent to

2.
$$7 - 4\sqrt{3}$$

 $7 + 4\sqrt{3}$
4. $\frac{7 + 4\sqrt{3}}{7}$

12. Simplify the expression:
$$3\sqrt{2}(\sqrt{6}-2\sqrt{2})$$

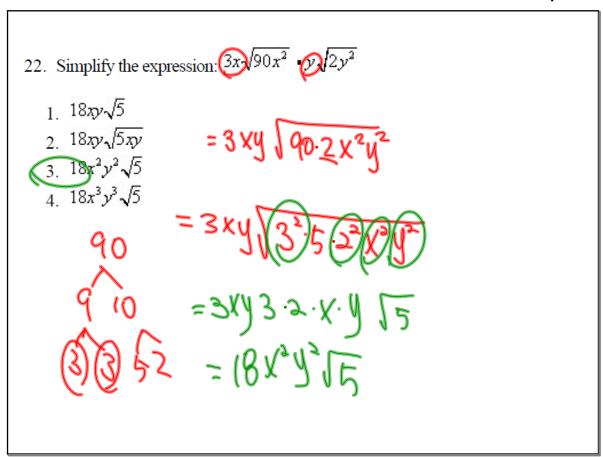
1.
$$3\sqrt{3} - 12$$

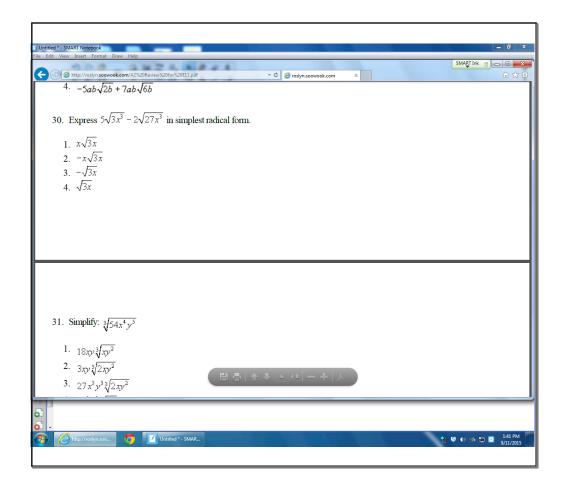
2.
$$3\sqrt{3} + 12$$

$$3. 6\sqrt{3} - 12 \\
4. 6\sqrt{3} + 12$$

4.
$$6\sqrt{3} + 12$$

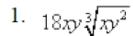
$$(2)3\sqrt{3}-(2)6$$



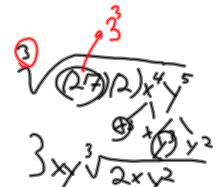


- 31. Simplify: <u>3√54</u>
 - 1. $18xy\sqrt[3]{xy^2}$
 - 2. $3xy\sqrt[3]{2xy^2}$
 - 3. $27 x^3 v^3 3 \sqrt{2}$

31. Simplify: $\sqrt[3]{54x^4y^5}$



- 2. $3xy\sqrt[3]{2xy^2}$
- 3. $27 x^3 y^3 \sqrt[3]{2xy^2}$
- 4. $3x^2y^2\sqrt[3]{6y}$



23. Simplify the expression:
$$\frac{5\sqrt{6}}{10\sqrt{2}}\sqrt{5}$$

$$(5+6)(10-52)$$

$$(10+52)(0-52)$$

17. Simplify the expression:
$$(2+\sqrt{2})(\sqrt{2}-4)$$