

MasterMath

Simplifying Radical Expressions

Name _____

Date _____

1. Simplify these Expressions

Expression	Simplified
$\sqrt{3}\sqrt{12}$	
$\sqrt{48}$	
$\sqrt{8}$	
$\sqrt{72}$	
$\sqrt{(60y^2)}$	
$\sqrt{(126r^2)}$	
$(2\sqrt{15})/(\sqrt{12})$	
$\sqrt{(1/4x^3)}$	
$3/(\sqrt{8})$	
$\sqrt{6(7\sqrt{3} + 6)}$	
$3\sqrt{7} - 5\sqrt{14} + 2\sqrt{28}$	
$\sqrt{(125c^2de^4)}$	
$\sqrt{(512ab^6)} * \sqrt{c^3}$	
$\sqrt{5} * \sqrt{30}$	
$\sqrt{(a^3/121)}$	

Simplify these Expressions

2.

$$\frac{3}{\sqrt{x^3}} + \frac{4}{\sqrt{x}}$$

3.

$$\frac{\sqrt{10}}{7 - \sqrt{2}}$$

4.

$$\frac{2\sqrt{6}}{\sqrt{30}} - \frac{3}{\sqrt{20}}$$