Name_____ Date_____

Math 7 Honors **HW: Radicals w/s #3**

Directions: Show your work!

Perfect Squares	1. The expression $\sqrt{50}$ can be simplified to: **A** $2\sqrt{25}$ **B** $5\sqrt{10}$ **C** $5\sqrt{2}$ **D** $25\sqrt{2}$	2. The expression $\sqrt{150}$ is equivalent to: **A** $5\sqrt{6}$ **B** $25\sqrt{6}$ **C** $6\sqrt{5}$ **D** $15\sqrt{10}$
	3. The expression $\sqrt{8}$ can be simplified to: **A** $2\sqrt{3}$ **B** $\sqrt{2}$ **C** $3\sqrt{2}$ **D** $2\sqrt{2}$	4. The expression $\sqrt{45}$ is equivalent to: **A** $9\sqrt{5}$ **B** $3\sqrt{5}$ **C** $15\sqrt{3}$ **D** $3\sqrt{15}$
	5. The expression $4\sqrt{25}$ is equivalent to: **A** $5\sqrt{4}$ **B** 20 **C** $6\sqrt{5}$ **D** $\sqrt{20}$	6. Express $\sqrt{32}$ in simplest radical form.
	7. Express $\sqrt{108}$ in simplest radical form.	8. Express $3\sqrt{98}$ in simplest radical form.
	9. Express $2\sqrt{27}$ in simplest radical form.	10. Express $\sqrt{\frac{50}{121}}$ in simplest radical form.