Bell Work:

2)
$$(5+4\sqrt{3})(3+\sqrt{3})$$

 $15+5\sqrt{3}+12\sqrt{3}+4(3)$
 $15+17\sqrt{3}+12$
 $27+17\sqrt{3}$

Divide cannot have a radical in the
$$\frac{\sqrt{3x^2y^3} \cdot \sqrt{5xy^3}}{\sqrt{5xy^3} \cdot \sqrt{5xy^3}}$$
 $\frac{\sqrt{300}}{5(20)}$
 $\frac{\sqrt{3}}{100} \cdot \sqrt{3} = \frac{10\sqrt{3}}{100} = \frac{10\sqrt{3}}{100} = \frac{10\sqrt{3}}{20xy^3} = \frac{\sqrt{15x}}{20xy^3} = \frac{1$

3)
$$(3-3\sqrt{3a})\sqrt{8a}$$
 (4) $\frac{4\times^3-3\sqrt{3x}}{3\sqrt{3x^2}}\sqrt{3x^2}$ $\sqrt{3\times^2}$ $\sqrt{3$

$$\frac{5}{3} \cdot \frac{(-3+3\sqrt{3})}{-3-3\sqrt{3}} \cdot \frac{(-3+3\sqrt{3})}{(-3+3\sqrt{3})} = \frac{5}{15+15\sqrt{3}} \cdot \frac{(-3+3\sqrt{3})}{(-15+15\sqrt{3})} = \frac{15+15\sqrt{3}}{-15+15\sqrt{3}} \cdot \frac{(-3+3\sqrt{3})}{-18} = \frac{15+15\sqrt{3}}{-18} \cdot \frac{(-3+3\sqrt{3})}{-18} = \frac{15+15\sqrt{3}}{-18} \cdot \frac{(-3+3\sqrt{3})}{-18} = \frac{(-3+3\sqrt{3})}{-18} \cdot \frac{(-3+3\sqrt{3})}{-18} = \frac{(-3+3\sqrt{3})}{-18} \cdot \frac{(-3+3\sqrt{3})}{-18} = \frac{(-3+3\sqrt{3})}{-18$$