RADICALS REVIEW WORKSHEET

- Complete on separate paper. બ્ર
- બ્લ Copy the original problem.
- Show your work. બ્ર

DO NOT USE A CALCULATOR!

- 1. Simplify by multiplying: (Write your answers in simplest form.)
- $(3\sqrt{5})(8\sqrt{2})$ A)
- B) $(2\sqrt{6})(\sqrt{3})$ C) $(-5\sqrt{10})(-6\sqrt{15})$
- 2. Write all radicals in simplest form, then simplify by adding or subtracting:
- $2\sqrt{27} + 5\sqrt{3}$ A)
- B) $2\sqrt{20} \sqrt{500}$
- 3. Simplify by rationalizing the denominators: (Write your answers in simplest form.)
- A)

- B) $\frac{5\sqrt{12}}{2\sqrt{5}}$
- C) $\frac{\sqrt{3}}{5\sqrt{6}}$
- 4. Divide the following radical and complex numbers.
- a) $\frac{3}{2-2\sqrt{5}}$ b) $\frac{-4+2\sqrt{5}}{3+2\sqrt{3}}$
- c) $\frac{5+2i}{-3-5i}$
- d) $\frac{8-3i}{1-i}$