

Feb. 26

2.8 Dividing Radicals

Investigate Pg. 123 together

$$\frac{\sqrt{36}}{\sqrt{9}} = \sqrt{\frac{36}{9}} = \sqrt{4} = 2$$

Complete the following examples

$$a) \frac{\sqrt{24}}{\sqrt{3}}$$

$$= \sqrt{\frac{24}{3}}$$

$$= \sqrt{8}$$

$$= \sqrt{4} \cdot \sqrt{2}$$

$$2\sqrt{2}$$

$$\sqrt{4} \cdot \sqrt{10}$$

$$c) \frac{6\sqrt{40}}{4\sqrt{45}} \quad \sqrt{9} \cdot \sqrt{5} =$$

$$= \frac{12\sqrt{10}}{12\sqrt{5}}$$

$$= \sqrt{2}$$

$$b) \frac{3\sqrt{30}}{\sqrt{5}}$$

Simplify the following

$$a) \frac{35}{\sqrt{5}} \times \frac{1\sqrt{5}}{\sqrt{5}}$$

$$= \frac{35\sqrt{5}}{5}$$

$$= 7\sqrt{5}$$

$$b) \frac{7}{\sqrt{7}} \times \frac{\sqrt{7}}{\sqrt{7}}$$

$$= \frac{7\sqrt{7}}{7}$$

$$= 1\sqrt{7}$$

$$c) \frac{5}{\sqrt{50}}$$

$\sqrt{25} \cdot \sqrt{2}$

$$= \frac{5}{5\sqrt{2}}$$

$$= \frac{1}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}}$$

$$\frac{\sqrt{2}}{2}$$

Assignment: Pg.127

1,2 odds

6, 13