

## Section 4.2 Extra Practice

1. Fill in the blanks.

a) *Percent* means out of 100, so  $3\% = \frac{3}{\square}$ .

b) 0.19 means 19 \_\_\_\_\_, so  $0.19 = \underline{\hspace{1cm}}\%$ .

2. Fill in the blanks to convert each fraction to a percent.

a)  $\frac{1}{4} = \frac{\square}{100} = \underline{\hspace{1cm}}\%$     b)  $\frac{3}{5} = \frac{\square}{10} = \frac{\square}{100} = \underline{\hspace{1cm}}\%$

c)  $\frac{17}{20} = \frac{\square}{100} = \underline{\hspace{1cm}}\%$     d)  $\frac{93}{200} = 93 \div \underline{\hspace{1cm}} = 0.\underline{\hspace{1cm}} = \underline{\hspace{1cm}}\%$

3. Fill in the blanks to convert each percent to a fraction in lowest terms.

a)  $80\% = \frac{\square}{100} = \frac{4}{\square}$

b)  $250\% = \frac{250}{100} = \frac{\square}{\square}$

c)  $12.5\% = \frac{\square}{100} = \frac{\square}{1000} = \frac{\square}{\square}$

d)  $0.66\% = 0.\underline{\hspace{1cm}} = \frac{\square}{10000} = \frac{\square}{\square}$

4. Jeremy enlarged a picture. The length of the original picture is 8 cm and the width is 5 cm. The length of the enlarged picture is 10 cm and the width is 7 cm.

a) What percent is the 10 cm length of the 8 cm length? Show your work.

b) What is the area of each picture? By what percent is the area changed?

5. Complete the following table. The first row is completed for you.

| <b>Percent</b>  | <b>Fraction</b>   | <b>Decimal</b> |
|-----------------|-------------------|----------------|
| Example: 108%   | $\frac{108}{100}$ | 1.08           |
| <b>a)</b>       | $\frac{63}{40}$   |                |
| <b>b)</b>       |                   | 0.082          |
| <b>c)</b>       | $\frac{49}{300}$  |                |
| <b>d)</b> 0.78% |                   |                |
| <b>e)</b>       |                   | 3.36           |