

# QUIZ TOMORROW

Homework (Grade 8) Gr. 8 you try more practice

1. Use the product of perfect squares to find the following square roots:

(c)  $\sqrt{7056}$

2. Find the square root of the following, using prime factorizaion:

(a)  $\sqrt{1296}$

(b)  $\sqrt{18225}$

(c)  $\sqrt{9801}$

3) Square the following(Use a calculator but show work)

(a) 81

(b) 25

(c) 19

(d)  $\sqrt{9}$

(e)  $\sqrt{48}$

4) Find the square root of the following(Use a calculator but show work)

(a) 121

(b) 441

(c) 1444

(d)  $15^2$

(e)  $85^2$

Perfect squares:

1,4,9,16,25,36,49,64,81,100,121,144,169,196,225

Prime Numbers:

2,3,5,7,11,13,17,19,23,29,31,...

1. Use the product of perfect squares to find the following square roots:

(a)  $\sqrt{5929}$

$$= \sqrt{121} \times \sqrt{49}$$

$$= 11 \times 7$$

$$= 77$$

$$\sqrt{5929} = 77$$

(b)  $\sqrt{576}$

$$= \sqrt{144} \times \sqrt{4}$$

$$= 12 \times 2$$

$$= 24$$

$$\sqrt{576} = 24$$

(c)  $\sqrt{7056}$

$$= \sqrt{196} \times \sqrt{36}$$

$$= 14 \times 6$$

$$= 84$$

$$\sqrt{7056} = 84$$