



1) Find the perfect square whose square root is

a) 0.25^2

0.25^2
 0.0625

b) $\left(\frac{4}{9}\right)^2 = \frac{16}{81}$

2) Is the following fractions or decimals perfect squares? Explain

a) 0.625

No

$\frac{625}{1000}$ ✓
x

b) 1.89

No

c) $\frac{12}{75} = \frac{4}{25}$ ✓

yes.

d) $\frac{8}{7}$ x

NO



Class / Homework

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9) a, c
10) a, c, e
11) a, b

12 a c
13 ac
15 (Estimate first then answer the question *Show work*)
19 a c

9. $\sqrt{4}$ $\sqrt{4.4}$ $\sqrt{9}$
2 ~ 2.2 3

c) $\sqrt{4}$ $\sqrt{6.6}$ $\sqrt{9}$
2 ~ 2.6 3

10 ace 11ab

a) 3 and 4
 3.1
 $3.1^2 = 9.61$

or 3^2 4^2
 9 16
 9.1
 15.6

c) 12 and 13
 \downarrow \downarrow
 144 169
 145.1
 146.1

e) 4.5 and 5.5
 $4.6^2 = 21.16$

11. a) $\sqrt{4.5}$
 $\sqrt{4} = 2$
 2.1

$\sqrt{9} = 3$

b) $\sqrt{\frac{17}{2}}$
 $\sqrt{8.5}$
 $\sqrt{4}$ $\sqrt{9}$
 2 3
 ~ 2.9

12, 13, 15, 19.

$$12.a) \sqrt{\frac{3}{8}} = \sqrt{0.375}$$

$$c) \sqrt{\frac{13}{4}} = \sqrt{3.25} \\ \sim 1.8$$

$$13.a) c^2 = a^2 + b^2 \\ c^2 = 1.2^2 + 0.5^2 \\ c^2 = 1.44 + 0.25 \\ \sqrt{c^2} = \sqrt{1.69} \\ c = 1.3$$

$$c) c^2 - a^2 = b^2 \\ 5.6^2 - 2.8^2 = b^2 \\ 31.36 - 7.84 = b^2 \\ \sqrt{23.52} = \sqrt{b^2} \\ b \sim 4.9$$



Mid Unit Review

Quiz tomorrow

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Questions:

$$\begin{array}{l} \sqrt{0.9} \\ \sqrt{0.99} \\ \sqrt{0.81} \\ 0.9 \end{array} \quad \begin{array}{l} \sqrt{1.00} \\ 1 \\ 0.99 \end{array}$$

