

HOMEWORK 20
March 21, 2021

*I would like to remind you that the homework should be done on a separate piece of paper. There is not enough space on this handout to show all work. **You must show all steps!***

1. Simplify

a) $\sqrt{48}$

b) $\sqrt{75}$

c) $\sqrt{196}$

d) $\sqrt{150}$

e) $\sqrt{80}$

f) $\sqrt{96}$

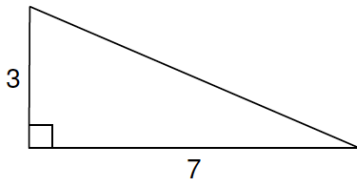
g) $\sqrt{245}$

h) $\sqrt{484}$

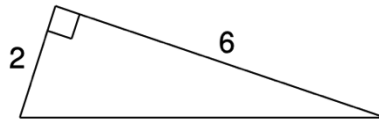
i) $\sqrt{450}$

2. Find the missing side. Show ALL steps!

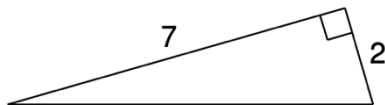
a)



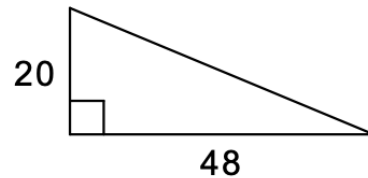
b)



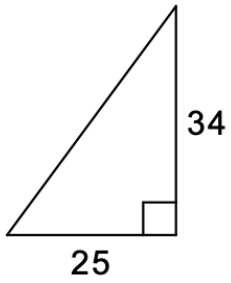
c)



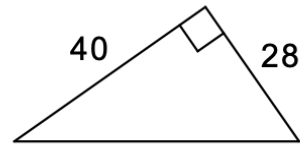
d)



e)



f)



3. Solve for x . **Do not use a calculator!!! Show ALL steps!**

$$\frac{0.125x}{\left(\frac{19}{24} - \frac{21}{40}\right) \cdot 8 \frac{7}{16}} = \frac{\left(1 \frac{28}{63} - \frac{17}{21}\right) \cdot 0.7}{0.675 \cdot 2.4 - 0.02}$$