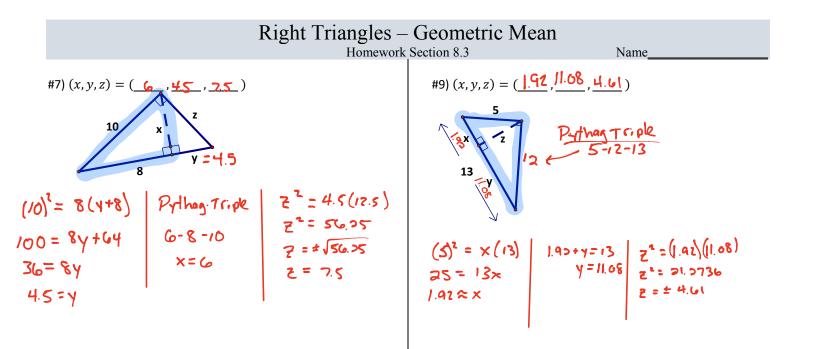
Right Triangles – Geometric Mean
Idence Section 8.3NameFind the geometric mean between each pair of numbers.
Give coatt answers.
#1) S and 3
$$\chi^2 = 5(3)$$

 $\chi = \pm \sqrt{5(3)}$
 $\chi = \pm \sqrt{5(3)}$
 $\chi = \sqrt{5(7)}$ #2) 4 and 6
 $\chi^2 = \sqrt{5(7)}$
 $\chi = \pm \sqrt{5(7)}$
 $\chi = \pm \sqrt{5(7)}$ #2) 4 and 6
 $\chi^2 = \sqrt{5(7)}$
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 $\chi = \pm \sqrt{5(7)}$ #2) 4 and 6
 $\chi^2 = \sqrt{5(7)}$
 $\chi = \pm \sqrt{5(7)}$
 $\chi = \pm \sqrt{5(7)}$ #2) 4 and 6
 $\chi^2 = \sqrt{5(7)}$
 $\chi = \pm \sqrt{5(7)}$
 $\chi = \pm \sqrt{5(7)}$ #3) (x, y, z) = (213, 6, -3.5)
 $\chi = 2\sqrt{5}$ Find the missing values. (If not a whole number, leave it in
simplest radical form)
 $\chi^2 = \sqrt{5(7)}$ $\chi^2 = 4(13)$
 $\chi = \pm \sqrt{14(5)}$
 $\chi = 2\sqrt{13}$
 $\chi = 2\sqrt{13}$ $\chi^2 = 4(13)$
 $\chi = 2\sqrt{13}$
 $\chi = 0$ $\chi^2 = 4(13)$
 $\chi = 2\sqrt{13}$
 $\chi = 0$ $\chi^2 = 4(13)$
 $\chi = 2\sqrt{13}$ $\chi^2 = 4(13)$
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 $\chi = 2\sqrt{13}$ $\chi = 2\sqrt{13}$
 $\chi = 6$ $\chi^2 = 2\sqrt{15}$
 $\chi = 2\sqrt{15}$
 $\chi = 2\sqrt{15}$ $\chi^2 = 4(13)$
 $\chi = 2\sqrt{13}$ $\chi^2 = 4(12)$
 $\chi = 2\sqrt{13}$ $\chi^2 = 2\sqrt{15}$
 $\chi = 2\sqrt{15}$ $\chi^2 = 2\sqrt{15}$
 $\chi = 2\sqrt{15}$ $\chi = 2\sqrt{15}$
 $\chi = 2\sqrt{15}$ $\chi^2 = 2\sqrt{15}$
 $\chi = 2\sqrt{15}$ $\chi^2 = 2\sqrt{15}$
 $\chi = 2\sqrt{15}$ $\chi^2 = 2$

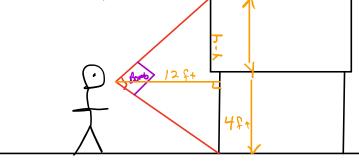
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#8)
$$(x, y, z) = (7.06, 3.76, 17)$$

15
15
17-3.76=13.24
17-3.76=13.24
17-3.76=13.24
17-3.76=13.24
27
17-3.76=13.24
X² = 3.76(13.24)
X² = 3.76(13.24)
X² = 49.7824
X² = 49.7824
X² = 49.7824
X² = 7.06

#10) The find the height his house, George held the corner of a box of Sugar Bombs near his eye so that the top and bottom of the house were in line with two edges of the box. If George's eye is 4 feet off the ground and he is standing 12 feet from the house, how tall is the house?



$$12^{7} = 4(\gamma - 4)$$

 $144 = 4(\gamma - 4)$
 $36 = \gamma - 4$
 $40 = \gamma$ The house is 40 feet fall.

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