Review 8-2 to 8-3

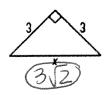
Block Date

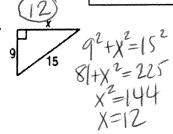
Pythagorean Theorem: $a^2 + b^2 = c^2$

Find x.

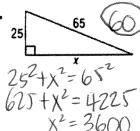
Write irrational answers in simplified radical form AND in decimal form rounded to the nearest tenth.

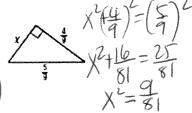
1.

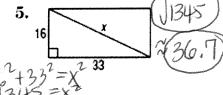




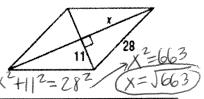
3.







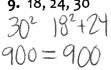
6.

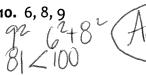


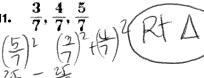
Converse of the Pythagorean Theorem: Determine whether each set of measures can be the sides of a right, obtuse, or acute triangle. If it is a right triangle, then state whether the sides form a Pythagorean Triple.



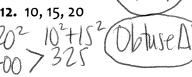


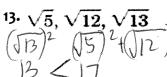


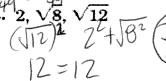


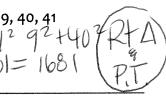


12. 10, 15, 20









Pythagorean Triples: A family of Pythagorean triples consists of multiples of known triples. For each Pythagorean triple, find two triples in the same family.

16. 3, 4, 5

6,8,10

17. 5, 12, 13

10,24,26

18. 7, 24, 25

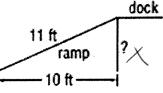
14,48,50 21,72,75

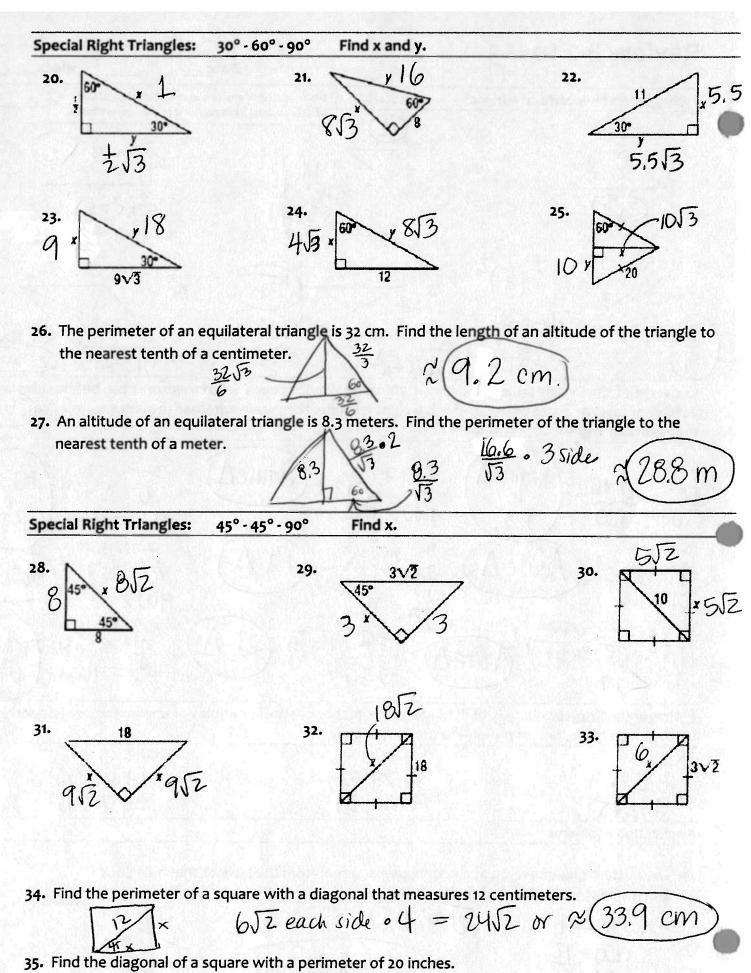
Application Problem:

19. The bottom end of a ramp at a warehouse is 10 feet from the base of the main dock and is 11 feet long. How high is the dock?

J21 × 4,58

4.6 feet high





Side



