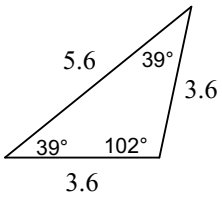
C5.APK Assignment

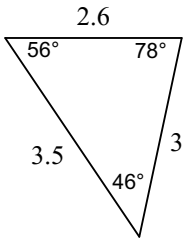
Past due on _____ Period ____

Classify each triangle by its angles - acute, obtuse, or right - AND by its sides - scalene, isosceles, or equilateral.

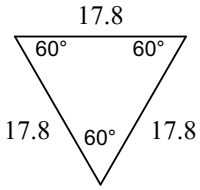
1)



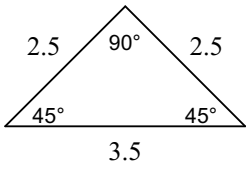
2)



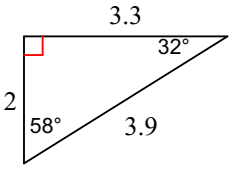
3)



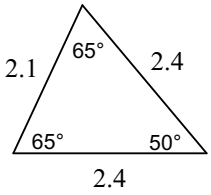
4)



5)

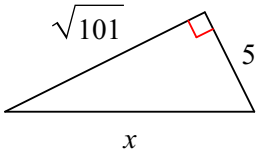


6)

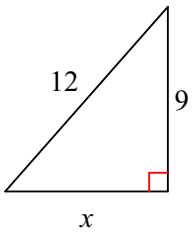


Use the Pythagorean Theorem to find the missing side of each right triangle. Leave your answers in simplest radical form.

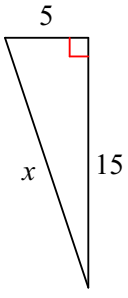
7)



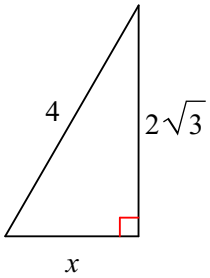
8)



9)

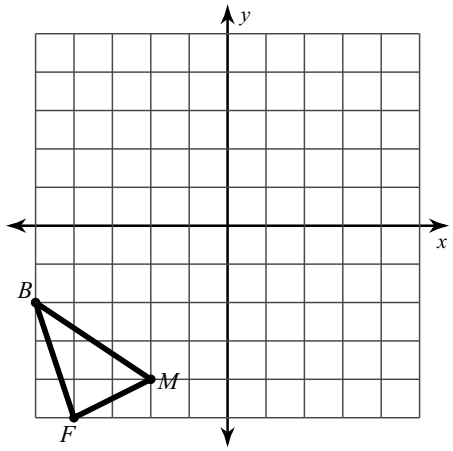


10)



Problems 11 & 12: Perform the indicated transformation and then find the perimeter of the image.

11) translation: 5 units right and 2 units up



12) Find the perimeter of the image of $\triangle BMF$. Round your answer to the nearest hundredth.

13) How could you determine whether $\triangle BFM$ is scalene, isosceles, or equilateral?

Find the slope AND the distance between each pair of points. Round your answer to the nearest hundredth.

14) $(-6, -1),\ (-8, -7)$

Simplify.

15) $\sqrt{384}$

16) $-3\sqrt{12} \cdot -2\sqrt{15}$

17) $\dfrac{\sqrt{12}}{4\sqrt{75}}$

18) $\dfrac{\sqrt{20}}{5\sqrt{16}}$

19) $\dfrac{4}{\sqrt{2}}$

20) $\dfrac{2}{\sqrt{5}}$