

Semester 1 Exam Practice - Part 2

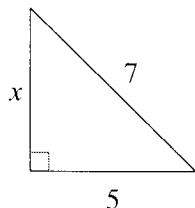
Date _____ Period _____

Write the slope-intercept form of the equation of the line described.

- 1) through: $(5, 0)$, parallel to $y = \frac{3}{5}x - 1$

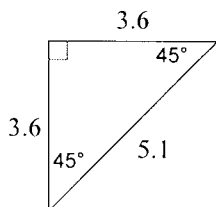
Find the missing side of each triangle. Leave your answers in simplest radical form.

2)

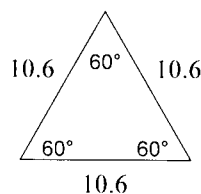


Classify each triangle by its angles and sides.

3)

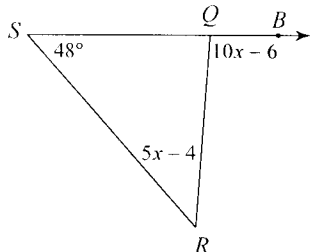


4)

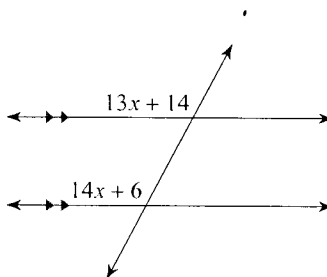


Solve for x .

5)



6)

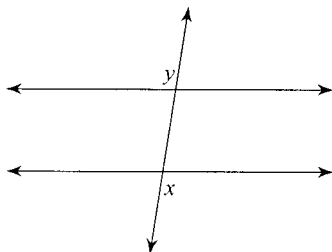


Find the distance between each pair of points.

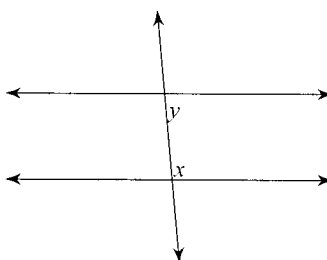
- 7) $(-8, 8)$, $(-4, 2)$

Identify each pair of angles as corresponding, alternate interior, alternate exterior, or consecutive interior.

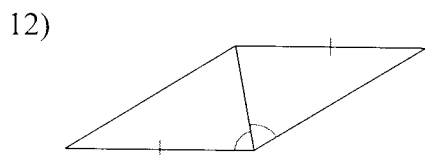
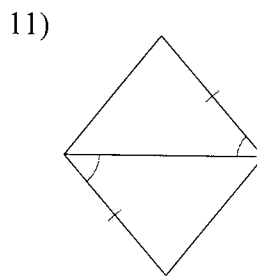
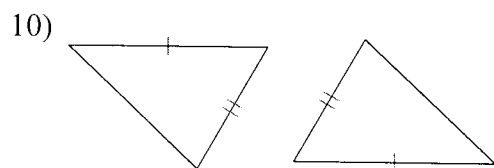
8)



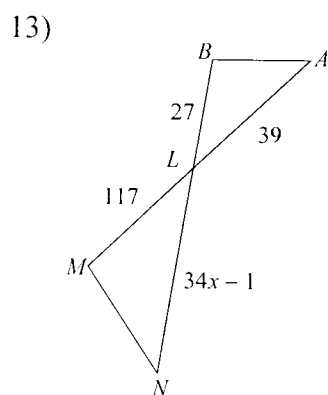
9)



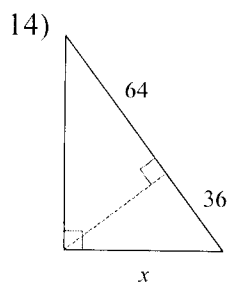
State if the two triangles are congruent. If they are, state how you know.



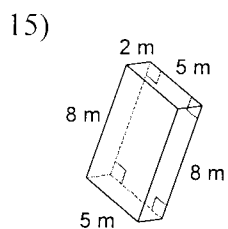
Solve for x . The triangles in each pair are similar.



Find the missing length indicated. Leave your answer in simplest radical form.



Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.



Answers to Semester 1 Exam Practice - Part 2 (ID: 1)

1) $y = \frac{3}{5}x - 3$

2) $2\sqrt{6}$

3) right isosceles

4) equilateral

5) 10

6) 8

7) $2\sqrt{13}$

8) alternate exterior

9) consecutive interior

10) Not congruent

11) SAS

12) Not congruent

13) 5

14) 60

15) 132 m^2