

CPM GEOMETRY - FINAL REVIEW

CHAPTERS 1-5

NAME: _____

DATE: _____

1. SOLVE FOR x :

$$12x - 13 = 8x + 7$$

2. SOLVE FOR x :

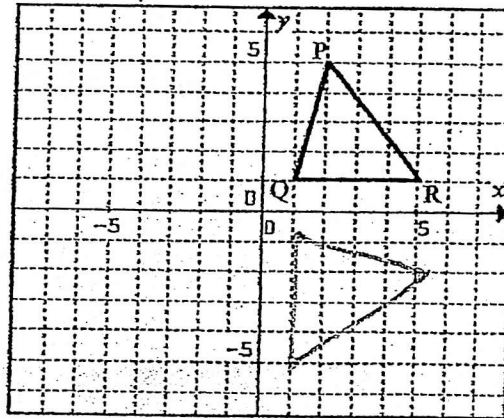
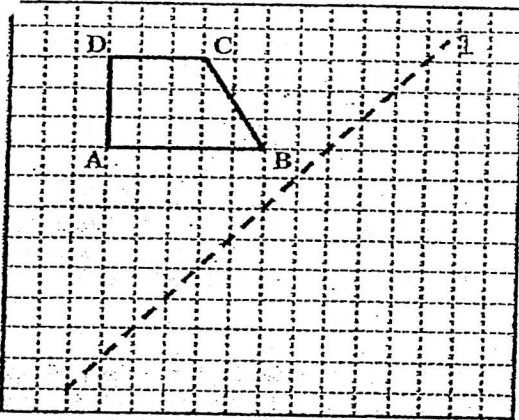
$$\frac{6}{10} = \frac{x}{5}$$

3. WHAT IS THE Probability of drawing a 10 or a 9 in a standard deck of 52 cards?

For each figure, draw the transformation described.

a. Reflect ABCD across line l

b. Rotate $\triangle PQR$ 90° clockwise (\odot) about the origin.



6. Describe the following transformations:

a) translation

b) dilation

c) reflection

d) rotation

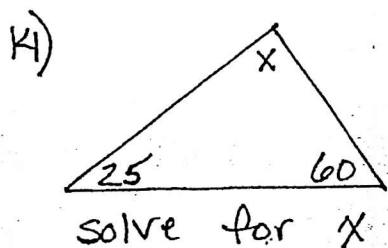
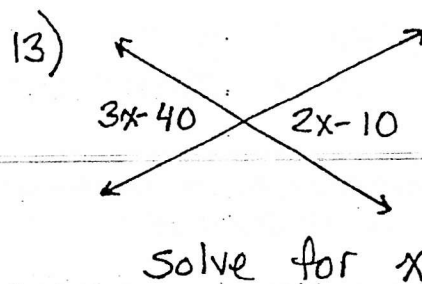
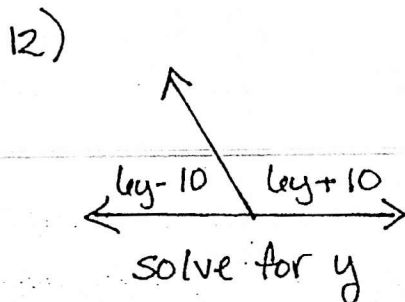
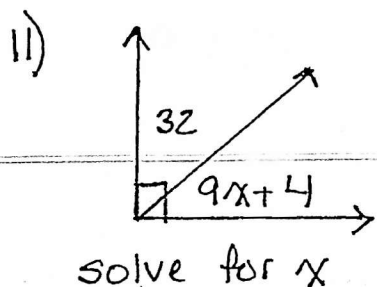
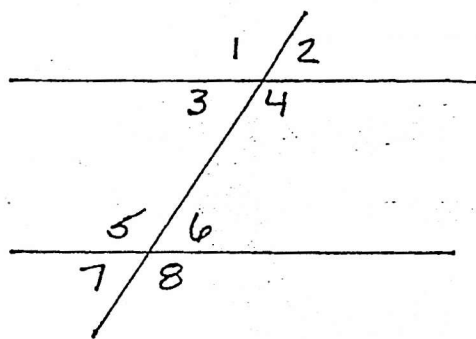
For the following questions use the diagram below and state if the pair of angles are equal or supplementary:

7.) Name a pair of vertical angles

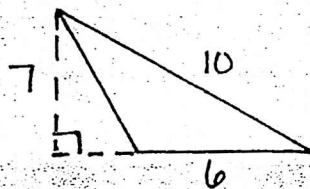
8.) Name a pair of corresponding angles

9.) Name a pair of same-side interior angles

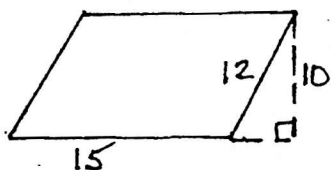
10.) Name a pair of alternate interior angles



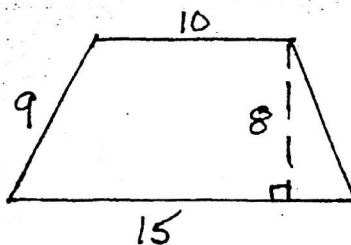
15) Write the formula for Area of a triangle and calculate the area below



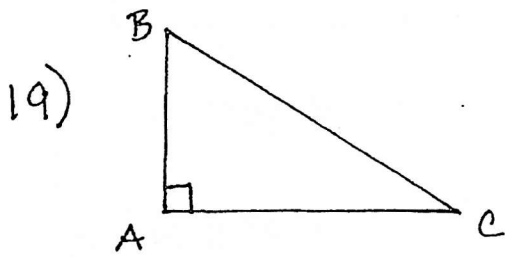
16) Write the formula for area of a parallelogram and calculate the area below



17) Write the formula for area of a trapezoid and calculate the area below



- 18) Draw an isosceles triangle, an equilateral triangle, a scalene triangle and a right triangle

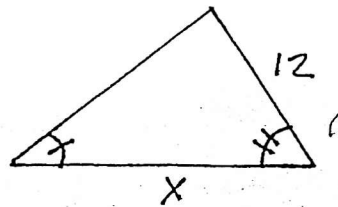
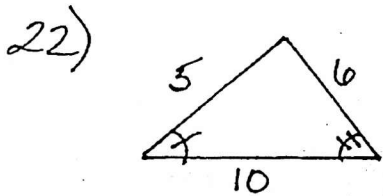


- a) Which side is the hypotenuse?
 b) Which sides are the legs?
 c) Which side is opposite $\angle C$?

20) $y - 4x = 10$

- a) write the equation @ left in the slope-intercept form. ($y = mx + b$)
 b) What is the slope?
 c) What is the y-intercept?

- 21) If 2 triangles are similar (\sim) are they congruent (\cong)?

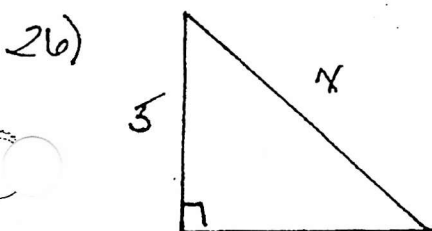


- a) Are the triangles similar?
 b) If so, by what method (AA, SSS, SAS)
 c) Find x

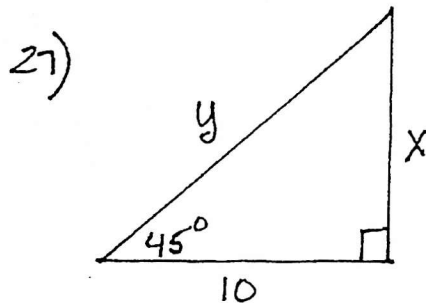
- 23) Find the x measure complementary to 40°

- 24) Find the x measure supplementary to 100°

- 25) Name a figure that is always similar.



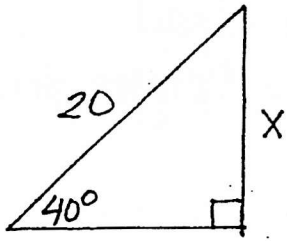
solve for $\frac{12}{x}$



solve for x
 and y
 (hint: use special 45-45-90 triangle)

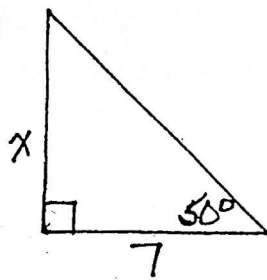
USE TRIG RATIOS IN 27-29. Round to the nearest hundredth.

27)



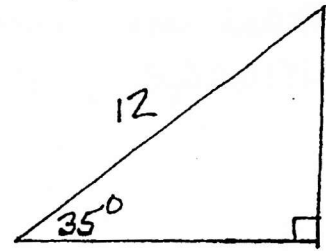
Solve for x

28)



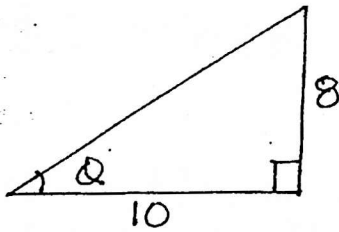
Solve for x

29)



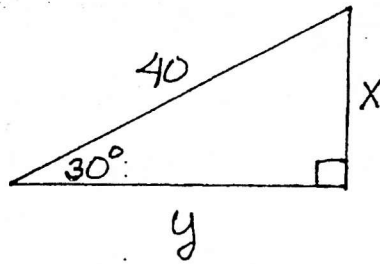
Solve for x

30)



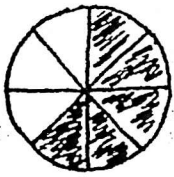
FIND Q

31)



Find x and y
Hint: use special 30-60-90 triangle

32)



What is the probability the spinner lands in a shaded section?

33)

- Describe a kite
- Describe a rhombus
- Describe a trapezoid
- Describe a square
- Describe a rectangle

34) Write the ratios for angle M in Triangle MNP

$\tan M = \underline{\hspace{2cm}}$

$\cos M = \underline{\hspace{2cm}}$

$\sin M = \underline{\hspace{2cm}}$

