

Homework 28

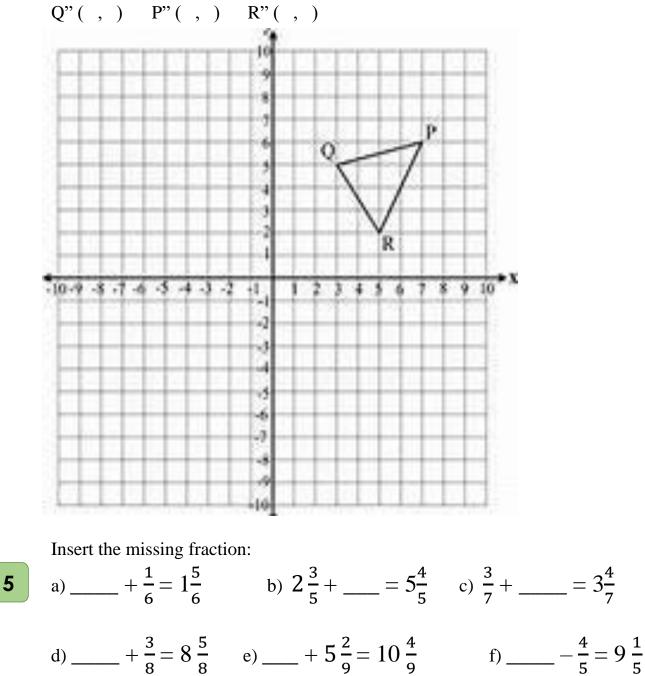
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a) Find the coordinates of each vertex of triangle QPR Q(,,) = P(,,) = R(,,)

b) Reflect this triangle horizontally (flip across y-axis) to get a triangle Q'P'R' Find the coordinates of each vertex:

Q'(,) P'(,) R'(,)

c) Reflect this triangle vertically (flip across x-axis) to get a triangle Q"P"R" Find the coordinates of each vertex for reflected triangle L"K"M":



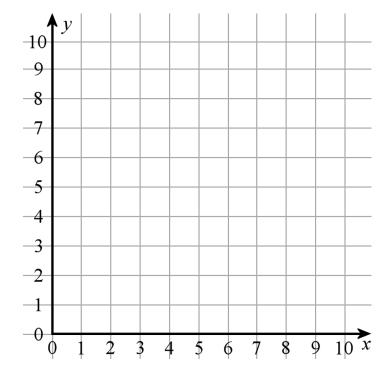
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- a) Draw a circle with center point (5,6) and a radius of 3 units.
- b) Draw another circle with the same center point but double the radius.
- c) How many common points your second circle has with x-axis?
- d) How many common points your second circle has with y-axis?



Write down the expressions:

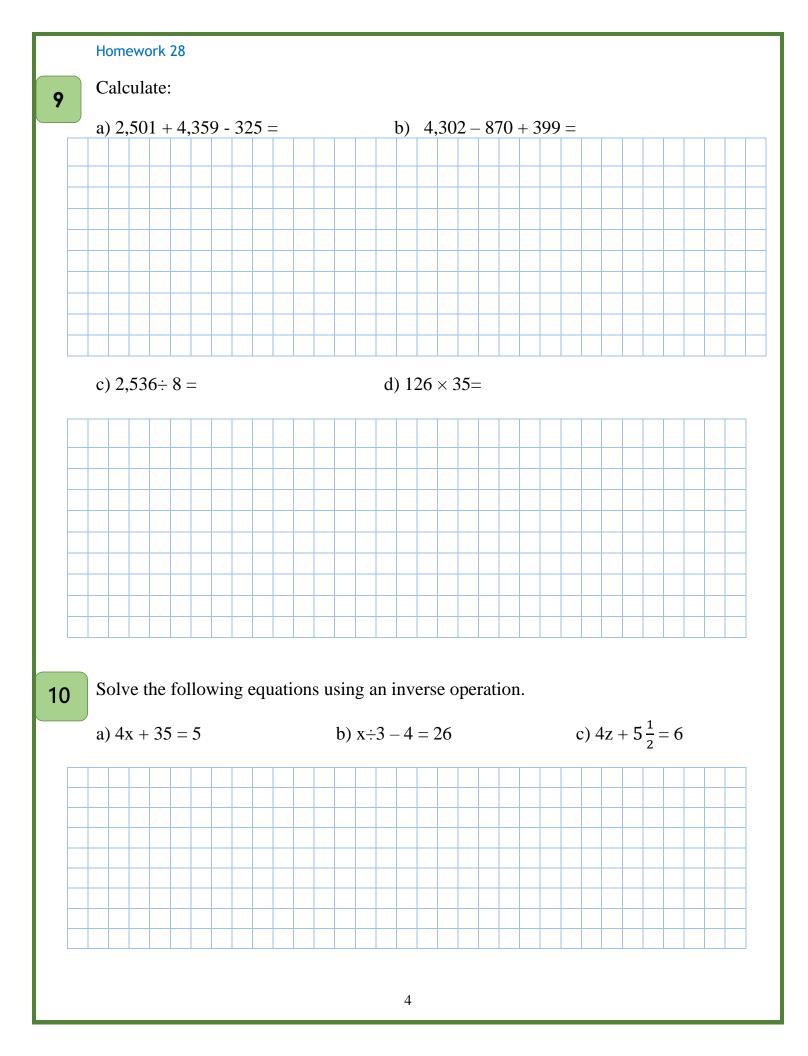
a) Milan spent a for a soccer ball. It was \$14 less than he spent for his soccer cleats. Write and expression for a cleats's price.

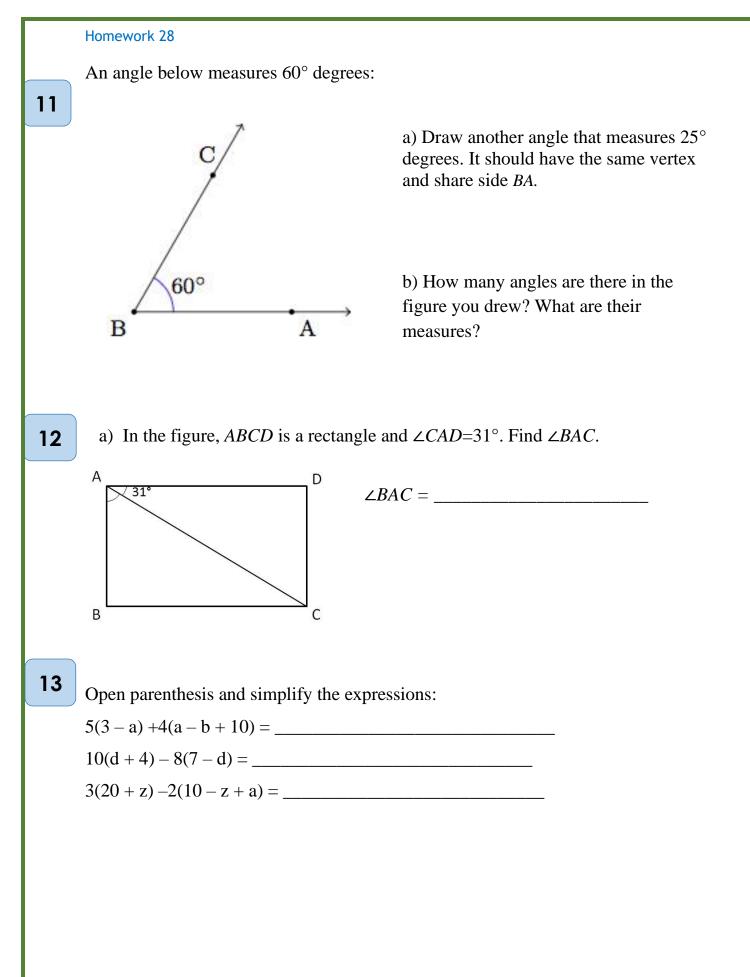
b) There are b boys in the class who play soccer, c boys in the class who play tennis and 4 boys who don't do any sport. Write an expression for a total number of boys in the class.

c) The distance between your house and a school's bus stop is *a* meters, the distance between bus stop at school and your class is *b* meters. What is the distance you walk every day on your way to and from school?⁻

Calculate:

5 + 3 =	5 + (-3) =	5 – 3 =	5 - (-3) =
-5 + 3 =	(-5) + (-3) =	(-5) - 3 =	(-5) - (-3) =





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Write down a mathematical expression to solve the problems:

a) There is a total of 50kgs of potatoes packed in the 10 identical bags. How many kgs of potatoes are in \boldsymbol{x} such bags?

b) There are x kgs of potatoes packed in 12 identical bags. How many kgs of potatoes are in b such bags?

c) There are x kgs of potatoes packed equally into 10 bags. How many bags will be needed to pack z kgs of potatoes?

d) A construction crew repairs 600 meters of a road in one day. How much can be repaired in 9 days?

e) A construction crew repairs 600 meters of a road in one day. How much time is needed to repair 5km of the road?

