

# Worksheet

12/11/2019

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Problem quickname: 9445

1)

Which of these statements are true?

- a)  Every circle is a trapezoid      b)  Every parallelogram is a circle  
 Every square is a circle       Every rectangle is a triangle  
 Every triangle is a trapezoid       Every parallelogram is a trapezoid  
 Every square is a trapezoid       Every square is a rhombus  
(One statement is correct)      (Two statements are correct)
- c)  Every trapezoid is an ellipse      d)  Every parallelogram is a trapezoid  
 Every circle is an ellipse       Every circle is a square  
 Every parallelogram is a circle       Every square is a trapezoid  
 Every circle is a triangle       Every circle is an ellipse  
(One statement is correct)      (Three statements are correct)
- e)  Every ellipse is a trapezoid      f)  Every parallelogram is an ellipse  
 Every parallelogram is a circle       Every square is a parallelogram  
 Every square is a parallelogram       Every triangle is a circle  
 Every rectangle is a rhombus       Every parallelogram is a trapezoid  
(One statement is correct)      (Two statements are correct)

2)

Which of these statements are true?

- a)  Every rectangle is a square      b)  Every rectangle is a circle      c)  Every square is a circle  
 Every square is a rectangle       Every square is a rectangle       Every square is a rectangle  
 Every square is a circle       Every square is a circle       Every circle is a square  
 Every rectangle is a circle       Every ellipse is a circle       Every ellipse is a circle
- d)  Every square is a circle  
 Every circle is an ellipse  
 Every circle is a square  
 Every rectangle is a circle

3)

Which of these statements are true? There may be more than one.

- a)  Every triangle is a rhombus      b)  Every square is a triangle  
 Every square is a rectangle       Every rhombus is a parallelogram  
 Every rectangle is a triangle       Every rectangle is a parallelogram  
 Every parallelogram is a rectangle       Every parallelogram is a triangle

- c)  Every square is a rectangle  
 Every parallelogram is a triangle  
 Every triangle is a parallelogram  
 Every rhombus is a parallelogram
- d)  Every parallelogram is a triangle  
 Every square is a rectangle  
 Every triangle is a square  
 Every rectangle is a parallelogram

4)

Which of these statements are true?

- a)  Every parallelogram is an ellipse  
 Every square is a rectangle  
 Every triangle is a parallelogram  
 Every parallelogram is a triangle  
 (One statement is correct)
- b)  Every triangle is a parallelogram  
 Every rectangle is a parallelogram  
 Every square is a rectangle  
 Every triangle is an ellipse  
 (Two statements are correct)
- c)  Every square is a rectangle  
 Every rhombus is a parallelogram  
 Every rectangle is a triangle  
 Every triangle is a square  
 (Two statements are correct)
- d)  Every ellipse is a rectangle  
 Every parallelogram is an ellipse  
 Every ellipse is a square  
 Every square is a parallelogram  
 (One statement is correct)
- e)  Every ellipse is a parallelogram  
 Every square is a triangle  
 Every square is a rhombus  
 Every rectangle is a parallelogram  
 (Two statements are correct)
- f)  Every ellipse is a parallelogram  
 Every square is a rectangle  
 Every triangle is a rhombus  
 Every square is a rhombus  
 (Two statements are correct)

Good Luck!