Worksheet

12/11/2019

Quick: 9445

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Problem quickname: 9445

1)

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

- a) \times Every rectangle is a triangle
 - √ Every square is a rectangle
 - \times Every ellipse is a triangle
 - \times Every triangle is an ellipse
- b) × Every ellipse is a triangle
 - $\sqrt{\text{Every circle is an ellipse}}$
 - \times Every circle is a square
 - × Every ellipse is a circle

2)

Which of these statements are true?

- a) \times Every ellipse is a parallelogram
 - ✓ Every rhombus is a trapezoid
 - \times Every circle is a triangle
 - \times Every ellipse is a rectangle
 - (One statement is correct)
- c) × Every ellipse is a rhombus
 - \times Every triangle is a rhombus
 - × Every circle is a triangle
 - \checkmark Every square is a parallelogram
 - (One statement is correct)
- e) V Every parallelogram is a trapezoid
 - \times Every parallelogram is an ellipse
 - \times Every trapezoid is an ellipse
 - √ Every rhombus is a trapezoid
 - (Two statements are correct)

- b) × Every triangle is a square
 - × Every triangle is a parallelogram
 - √ Every rhombus is a parallelogram
 - \times Every parallelogram is an ellipse
 - (One statement is correct)
- d) × Every square is a circle
 - \checkmark Every square is a rectangle
 - \times Every parallelogram is a circle
 - \checkmark Every rhombus is a trapezoid
 - (Two statements are correct)
 - f) × Every parallelogram is a triangle
 - \times Every circle is a square
 - \times Every rectangle is a rhombus
 - √ Every square is a rhombus(One statement is correct)

3)

Which of these statements are true?

- a) \times Every rectangle is a circle
 - \checkmark Every square is a rectangle
 - \times Every rectangle is a square
 - × Every circle is a square
- d) × Every rectangle is a square
 - ✓ Every square is a rectangle
 - \times Every square is an ellipse
 - \times Every circle is a rectangle

- \times Every square is a circle
 - \times Every rectangle is a square
 - \times Every circle is a square
 - \checkmark Every square is a rectangle
- \times Every square is an ellipse
 - ✓ Every square is a rectangle
 - × Every rectangle is a circle
 - × Every circle is a square

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Solutions to smp-9445-1/WQUR

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

Quick: 9445

- a) $\sqrt{\text{Every square is a rectangle}}$
 - $\sqrt{\text{Every square is a parallelogram}}$
 - $\sqrt{\text{Every square is a rhombus}}$
 - \times Every parallelogram is a triangle
- C) × Every triangle is a square
 - \times Every parallelogram is a rectangle
 - \checkmark Every rhombus is a parallelogram
 - \checkmark Every square is a parallelogram

- b) × Every triangle is a parallelogram
 - \checkmark Every square is a rectangle
 - \times Every triangle is a rectangle
 - \checkmark Every rhombus is a parallelogram
- $d\big) \quad \times \ {\rm Every \ parallelogram \ is \ a \ rhombus}$
 - √ Every rhombus is a parallelogram
 - \times Every square is a triangle
 - \times Every rhombus is a triangle

Good Luck!