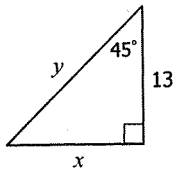
Name: _____ Right Triangles

Date: _____ Special Right Triangles

**** This is a 2-page document! ****

Directions: Find the value of each variable.

1.



$x =$ _____

$y =$ _____

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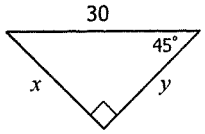

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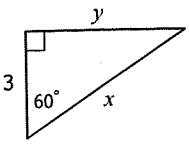

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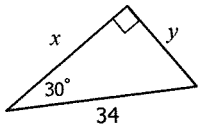

$x =$ _____

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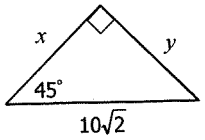

$x =$ _____

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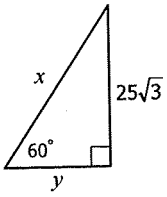

$x =$ _____

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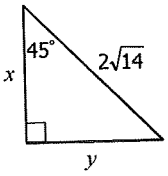

$x =$ _____

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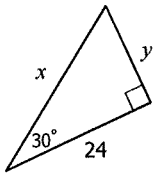

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$y =$ _____

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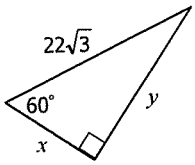

$x =$ _____

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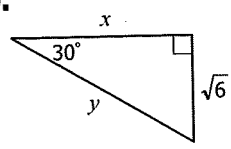

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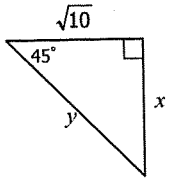

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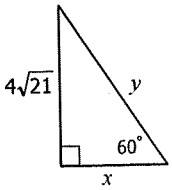

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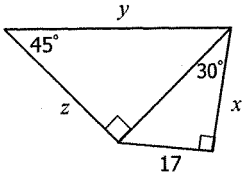

$x =$ _____

$y =$ _____

$z =$ _____

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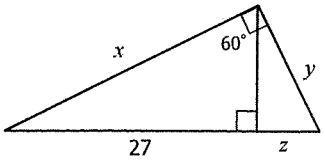

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$z =$ _____

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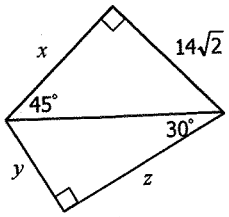

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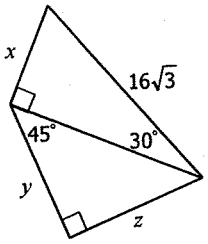

$x =$ _____

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$z =$ _____

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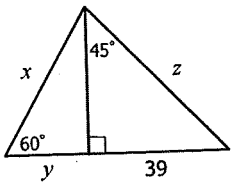

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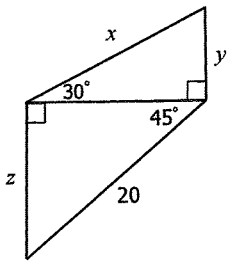

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$y =$ _____

$z =$ _____

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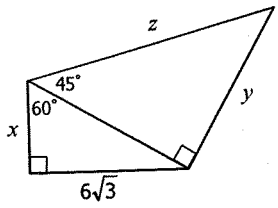

$x =$ _____

$y =$ _____

$z =$ _____

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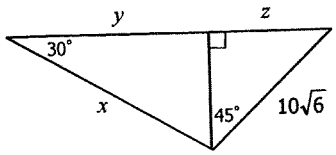

$x =$ _____

$y =$ _____

$z =$ _____

21. The perimeter of a square is 36 in. What is the exact length of the diagonal of the square? What is the area of the square?

Diagonal _____

Area _____

22. What is the perimeter of an equilateral triangle whose altitude (height) has a length of 18?

Side _____

Perimeter _____

23. Find the area of an isosceles right triangle with a hypotenuse of 16 cm.

Leg _____

Area _____