

Worksheet

05/19/2020

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Problem quickname: 6922

1)

Calculate the area A of a triangle from the given length of a side and the corresponding height.

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|---------------------------------|---------------------------------|
| a) $c = 44$ cm, $h_c = 6.3$ cm | b) $c = 12$ cm, $h_c = 21.4$ cm |
| c) $a = 14.5$ cm, $h_a = 5$ cm | d) $c = 24$ cm, $h_c = 17.7$ cm |
| e) $c = 38$ cm, $h_c = 35.6$ cm | f) $a = 34.8$ cm, $h_a = 4$ cm |
| g) $b = 35$ cm, $h_b = 15.9$ cm | h) $a = 52$ cm, $h_a = 26$ cm |
| i) $b = 22$ cm, $h_b = 39.4$ cm | j) $c = 30$ cm, $h_c = 35.2$ cm |

2)

Calculate the area A of a triangle from the given length of a side and the corresponding height.

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|-----------------------------------|-----------------------------------|
| a) $a = 41.6$ cm, $h_a = 13$ cm | b) $b = 12$ cm, $h_b = 13.9$ cm |
| c) $b = 11$ cm, $h_b = 10.8$ cm | d) $c = 15$ cm, $h_c = 25.6$ cm |
| e) $a = 14.7$ cm, $h_a = 12.5$ cm | f) $a = 42.5$ cm, $h_a = 17.8$ cm |
| g) $b = 8$ cm, $h_b = 24.9$ cm | h) $a = 43.6$ cm, $h_a = 25.5$ cm |
| i) $c = 7$ cm, $h_c = 21.4$ cm | j) $c = 3$ cm, $h_c = 33.5$ cm |

3)

Calculate the area A of a triangle from the given length of a side and the corresponding height.

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|----------------------------------|---------------------------------|
| a) $b = 29$ cm, $h_b = 33.1$ cm | b) $b = 9$ cm, $h_b = 8.6$ cm |
| c) $a = 27.3$ cm, $h_a = 3.1$ cm | d) $b = 40$ cm, $h_b = 20$ cm |
| e) $a = 47.3$ cm, $h_a = 6.9$ cm | f) $b = 31$ cm, $h_b = 7.4$ cm |
| g) $c = 16$ cm, $h_c = 27.4$ cm | h) $b = 25$ cm, $h_b = 30.1$ cm |
| i) $b = 34$ cm, $h_b = 35.2$ cm | j) $b = 45$ cm, $h_b = 43.7$ cm |

4)

Calculate the area A of a triangle from the given length of a side and the corresponding height.

- | | |
|---------------------------------|-----------------------------------|
| a) $b = 21$ cm, $h_b = 27.3$ cm | b) $b = 44$ cm, $h_b = 25.4$ cm |
| c) $b = 43$ cm, $h_b = 26.8$ cm | d) $b = 16$ cm, $h_b = 34.5$ cm |
| e) $a = 34.9$ cm, $h_a = 6$ cm | f) $a = 45.1$ cm, $h_a = 30.2$ cm |
| g) $b = 6$ cm, $h_b = 10.6$ cm | h) $b = 9$ cm, $h_b = 24.6$ cm |
| i) $b = 29$ cm, $h_b = 16.6$ cm | j) $c = 7$ cm, $h_c = 40$ cm |

Good Luck!