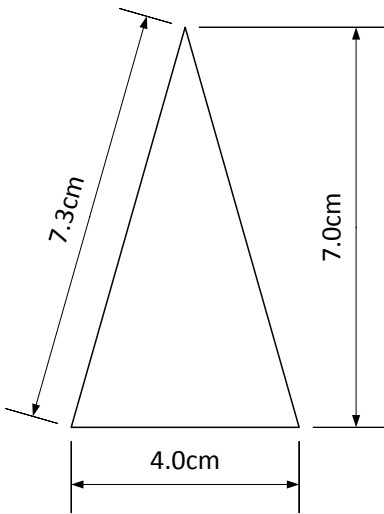


Name: _____ Date: _____



1. Calculate the **perimeter** of the triangle.

Write the sum you are going to do.

Perimeter =

=

Write the formula you are going to use.

Work out the answer but remember your units.

2. Calculate the **area** of the triangle.

Area \triangle =

=

Put the numbers you are going to put into the

=

Work out the answer but remember

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3. Simplify the following:

$$\star + 3\star + 2\star - 4\star =$$

$$3a + 2a + a + a + a =$$

$$6b + 3b - 7b =$$

$$\star + 5\triangle + 8\star - 4\star =$$

$$5v + 7t + 6v + 3v + 9t - 3s =$$

$$5t^3 + 3t^2 + 7t^2 + 4t^3 - 6t^4 =$$

$$3(t + 7) =$$

$$4(t^2 + 3t - 2) =$$

$$h(h^2 + 2h + 3) =$$

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4. Use substitution to calculate the following: (the first one has been done as an example).

If $a = 5$ and $b = 7$, what is $3a + b$?

$$3a + b = 3(5) + 7 = 15 + 7 = 22$$

If $d=9$ and $e=8$, what is $3d + e$?

If $w=6$ and $t=7$, what is $5w + t + t$?

If $r=3$ and $t=5$, what is $(r \times t) + 3t$?

If $e=4$, $f=5$ and $h=7$, what is $3h + 2e - 4f$?