

T1-07 – Sixth Grade Review

Name _____ Number _____ Period _____ Score _____

How to evaluate an expression:

Example: Evaluate $3x + 4y$ when $x = 2$ and $y = 5$

Step 1: Substitute. $3(\underline{\quad}) + 4(\underline{\quad})$

$$3(2) + 4(5) \text{ **This is NOT } 23 + 45. \text{ This is } 3 \times 2 + 4 \times 5!!$$

$$= 6 + 20$$

$$= 26$$

Evaluate each expression.

1) $2c - d$ when $c = 6$ and $d = 3$

2) $\frac{x}{z}$ when $x = 35$ and $z = 5$

3) uv^2 when $u = 3$ and $v = 2$

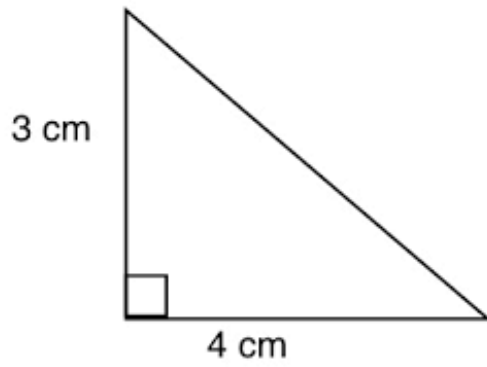
4) $a + c$ when $a = 2, c = 5$

5) xyz when $z = 2, y = 3, x = 4$

6) $\frac{r}{s} - 1$ when $r = 10, s = 2$

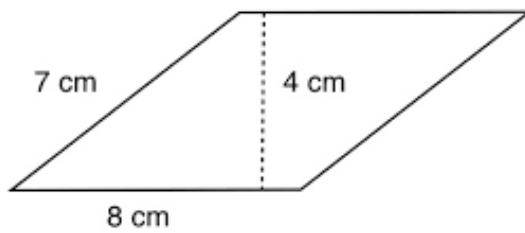
Find the area of each figure. The formulas have been given to you.

7)



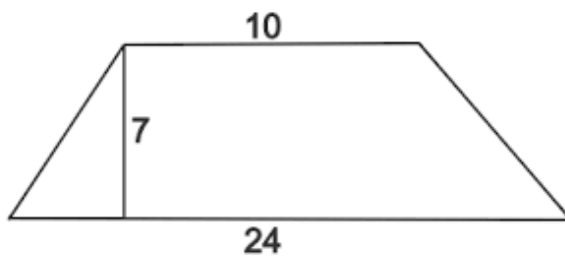
$$A = b \times h \div 2$$

8)



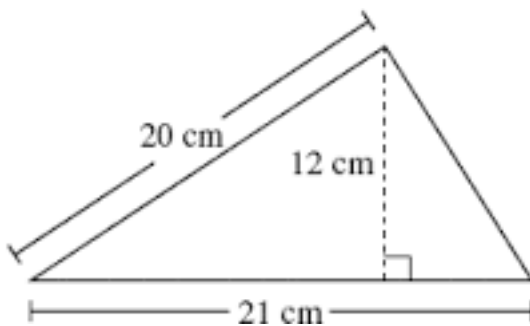
$$A = b \times h$$

9)



$$A = \frac{1}{2}(b_1 + b_2) \times h$$

10)



$$A = b \times h \div 2$$