

How to Write Your Math Homework

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Per. 1

Title w/ #s assigned
→ HW Sec 1.1.2 #1-15, 1-19, 1-20, 1-21

1-15 Examine the tile pattern shown at right

a) Draw Figure 4.

b) How many tiles will Figure 10 have? How do you know?
Figure 10 has 18 because each time 4 tiles are added.

1-17 Simplify each expression.

a) $\frac{2 \times 2}{2 \times 9} + (-\frac{1}{2 \times 9})$
 $= \frac{4}{18} - \frac{1}{18}$
 $= \frac{3}{18}$
 $= \frac{1}{6}$

b) $\frac{5 \times 6}{5 \times 7} - \frac{3 \times 7}{5 \times 7}$
 $= \frac{30}{35} - \frac{21}{35}$
 $= \frac{9}{35}$

c) $\frac{9 \times 2}{10 \times 2}$
 $= \frac{18}{20}$
 $= \frac{9}{10}$

d) $\frac{1}{4} \div \frac{2}{7}$
 $= \frac{1}{4} \times \frac{7}{2}$
 $= \frac{7}{8}$

1-19 Evaluate the expressions below for the given values.

a) $-2x^2 + 1$ for $x = -3$
 $\hookrightarrow -2(-3)^2 + 1$
 $= -2 \cdot 9 + 1$
 $= -18 + 1$
 $= -17$

b) 2^x for $x = 3$
 $\hookrightarrow 2^3$
 $= 8$

c) $4x - 4$ for $x = 3$
 $\hookrightarrow 4(3) - 4$
 $= 12 - 4$
 $= 8$

d) $2 \cdot 3^x$ for $x = 5$
 $\hookrightarrow 2 \cdot 3^5$
 $= 2 \cdot 243$
 $= 486$

Note: Space used to organize thinking/show work!

How to NOT Write Your Math Homework

