2.8
Rewriting Formulas

Name: _Key_

Rewrite the given formula for the indicated variable. Then, match the formula to its denotation using the table on the right. You may need to do your work on the back.

1) $d = rt$, **solve for r**

1. $\dfrac{d}{t} = r$ 1. $\underline{B}$

2) $I = Prt$, **solve for P**

2. $P = \dfrac{I}{rt}$ 2. $\underline{G}$

3) $F = \dfrac{9}{5}C + 32$, **solve for C**

$\dfrac{9}{5}C = F - 32$

3. $C = \dfrac{5}{9}F - \dfrac{160}{9}$ 3. $\underline{A}$

4) $A = \dfrac{1}{2}bh$, **solve for b**

4. $\dfrac{2A}{h} = b$ 4. $\underline{D}$

5) $A = lw$, **solve for l**

5. $\dfrac{A}{w} = l$ 5. $\underline{H}$

6) $P = 2l + 2w$, **solve for w**

6. $\dfrac{P}{2} - l = w$ 6. $\underline{F}$

7) $A = \dfrac{1}{2}(b_1 + b_2)h$ **solve for** b_2

7. $\dfrac{2A}{h} \bullet b_1 = b_2$ 7. $\underline{E}$

8) $A = \pi r^2$, **solve for r**

8. $\sqrt{\dfrac{A}{\pi}} = r$ 8. $\underline{I}$

9) $C = 2\pi r$, **solve for r**

9. $\dfrac{C}{2\pi} = r$ 9. $\underline{C}$

What do they mean?
a) Formula to convert Celsius to Fahrenheit.
b) Find your distance by how fast you traveled and the time you spent.
c) Find the circumference of a circle.
d) Find the area of a triangle.
e) Find the area of a trapezoid.
f) Find the perimeter of a rectangle.
g) Find out how much interest accrued.
h) Find the area of a rectangle.
i) Find the area of a circle.