Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Rearranging Formulas**

**Solve each for the indicated variable.**

|  |  |  |
| --- | --- | --- |
| 1) $d=rt for r$ | 2) $R=\frac{CS}{d} for C$ | 3) $T=m-n for n$ |
| 4) $V=lwh for w$ | 5) $ax+by=c for y$ | 6) $S=2(lw+lh+wh) for w$ |
| 7) $d=\frac{C}{π} for π$ | 8) $A=p(1+rt) for t$ | 9) $ax+b=c for a$ |
| 10) $A=2πr^{2}+2πrh for h$ | 11) $R=\frac{l+3w}{2} for w$ | 12) $C=\frac{5}{9}(F-32) for F$ |

**Rearranging Formulas**

**Solve each for the indicated variable.**

|  |  |  |
| --- | --- | --- |
| 13) $H=\frac{62.4NS}{33,000} for N$ | 14) $K=\frac{1}{2}mv^{2} for m$ | 15) $S=R-rR for R$ |
| 16) $A=\frac{1}{2}nal for n$ | 17) $F=\frac{gm\_{1}m\_{2}}{d^{2}} for g$ | 18)$A=\frac{1}{2}bh for b$ |
| 19) $h=vt-16t^{2} for v$ | 20) $A=S(1-DN) for N$ | 21) $E=IR for I$ |
| 22) $F=\frac{lt}{d} for l$ | 23) $P=\frac{144p}{y} for p$ | 24) $P=a+b+c for b$ |