## Algebra I <br> 2-6 <br> Multiplication

## Multiply. (pg 72)

5) $(\underline{-3})(-7)(-4)$
6) $(-2 a)(-3 b)$
$21(-4)$
$6 a b$
7) $-2(x-3 y)$
$-84$
$-2 x+6 y$
8) $\begin{gathered}{[(\widetilde{(-2)(a+b)]}} \\ -[-2 a-2 b] \\ 2 a+2 b\end{gathered}$
9) $5 x-7 x+8+2 x$
$x+8+2 x$
8

| Try on your own! <br> 53) $\begin{aligned} & 2[-7(\underset{r+2 s}{ })-r]-3(s+2 r) \\ & 2[-7 s-14 s-1 r]-3 s-6 r \\ & 2[-8 r-14 s]-3 s-6 r \\ & \frac{-16 r-28 s-3 s-6 r}{2} \\ & -22 r-31 s \end{aligned}$ <br> Terms should be written in alphabetical order with constant terms at the rear. (This one has no constant term). | $\begin{gathered} -22 r+7 s \\ -14 r+7 s \\ 5 r-17 s-2 \\ 5 r-16 s-2 \\ 2-15-14 r \\ -14 r-17 s+2 \\ -6 r+22 s \end{gathered}$ |
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