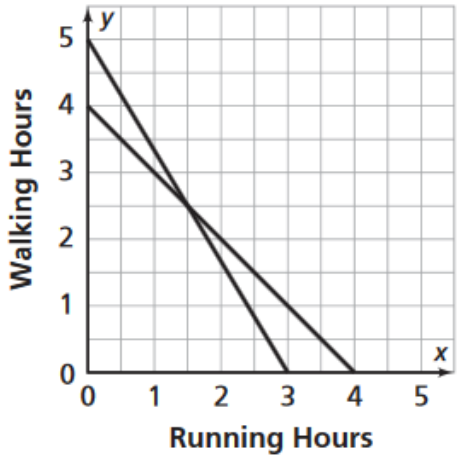
Assessment Answers

Check Up 1

1. **a.** $10x + 6y = 30$
   b. $x + y = 4$
2. Possible solutions of $10x + 6y = 30$ include $\left(1, 3\frac{1}{3}\right)$, $(0, 5)$, and $(3, 0)$. Possible solutions of $x + y = 4$ are $(2, 2)$, $(1, 3)$, and $(4, 0)$.



3. The exact intersection point is $(1.5, 2.5)$. Students' estimates should be reasonably close to this point. This point represents Austin completing the race by running for 1.5 hours and walking for 2.5 hours.
4. **a.** $-2x + y = 7$
   b. $x + 3y = 8$
5. **a.** $y = -\frac{3}{4}x + 3$
   b. $y = 2x + 3$