

Answer Key

Challenge: Skills and Applications

1. $4, \frac{12}{5}$ 2. $\frac{5}{2}$ 3. $x \geq 0$; all real numbers x
4. $x \geq -7$ 5. $n < 3$ 6. no solution
7. identity 8. $x \geq 0$ 9. no solution
10. $4, -4$ 11. $50 - 40t \leq 20$
12. $40t - 50 \leq 20$ 13. $|50 - 40t| \leq 20$
14. $\frac{3}{4} \leq t \leq \frac{7}{4}$; between 12:45 P.M. and 1:45 P.M.