

### Review 3.1-3.2 Answer Key

- 1) Yes, LSF:  $\frac{9}{2}$  or  $\frac{2}{9}$ , Answers may vary:  $\Delta STU \sim \Delta KLM$
- 2) No
- 3) Yes, LSF: 2 or  $\frac{1}{2}$ , Answers may vary:  $RSTU \sim YZWX$
- 4)
  - a. LSF:  $\frac{2}{5}$
  - b.  $x = 20, y = 12, z = 65$
- 5)  $DE = 88$
- 6)  $EP = 9$
- 7) C and D
- 8) A, C, D, and E
- 9)  $x = 9$
- 10)  $x = 11$
- 11) 7 yd
- 12) LSF:  $\frac{7}{3}$ , Enlargement
- 13) LSF:  $\frac{2}{5}$ , Reduction
- 14) LSF:  $\frac{3}{2}$ ,  $x = 10$ , Enlargement
- 15) Sum: 4.5
- 16)  $A'(2,8)B'(6,-4)C'(10,10)$ , Product: -320
- 17)  $A'(1,3)B'(5,4)C'(2,-2)$ , Sum: 5
- 18) LSF: 4, Center of dilation: (-3, 4)
- 19) LSF:  $\frac{1}{2}$ , Center of dilation: (2, 1)