Unit 3.2 Worksheet Answers

1. Answers may vary (check with classmates or teacher for verification)
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3. Q' (-40.5, 45)
4. LSF = $\frac{7}{3}$; Enlargement
5. LSF = $\frac{2}{5}$; Reduction
6. LSF = $\frac{3}{2}$; x = 10; Enlargement
7. Sum = 0
8. 3
9. 8.5
10. $\frac{1}{9}$
11. $\frac{1}{3}$
12. Product = -245
13. Sum = 8
14. $\frac{35}{6}$
15. Answers may vary (check with classmates or teacher for verification)
16. (a) $k = \frac{1}{2}$, centered at the origin

    (b) $k = 3$, centered at $(-2, -1)$