

Answer Key

1. (a) Venn Diagram:

 - (b) There are 5 clean blue shirts.
 - (c) $6+7=13$ dirty items.
2. \$5.56 per pound.
3. 5.5% decrease.
4. 1.89%
5. \$222,892.11
6. (a) 5.65%
(b) \$413,871.26
7. (a) \$1,709.40
(b) \$107,692.06
(c) (A) \$484.46 (B) \$133.285.60
8. (a) 35,904 bunnies.
(b) About 6 months
9. (a) 3.7856 hours
(b) 16.7%
10. (a) $y(t) = 0.3 \times t + 1.2$
(b) 63 days
11. Radius of 6 inches, Volume of 3,213 cubic inches.
12. 14 minutes and 30 seconds.
13. (a) x^5/y^2 .
(b) y^5/x .
(c) $1/y^2$.
14. (a) $t = -11$
(b) $t = -14$.