

MTH 135 Solutions to chapter 8 supplement and to the unit 6 review guide.

Supplement:

1. $y = 4$
2. $y = \frac{4}{3}x - 6$
3. $y = \frac{-3}{2}x + 2$
4. $y = \frac{-2}{5}x + \frac{14}{5}$
5. $y = \frac{1}{3}x - \frac{17}{3}$
6. $y = -x - 5$
7. $y = \frac{4}{3}x + \frac{16}{3}$
8. $y = -2x + 16$
9. $x = 3$
10. $y = \frac{5}{2}x - 38$
11. $y = \frac{5}{9}x + 5$
12. $y = \frac{-9}{5}x - \frac{8}{5}$
13. 39.7 miles
14. $c = 17/5$
15. 155.4 miles for Terry, Mary drove 94.6 miles
16. $x = 4$ inches

Review Guide

1. $a = \frac{S - 10b}{6}$
2. $x = 7/15$
4. b, d
5. a. false b. false c. true
8. $m = -13$
9. $m = -4/5$; y-interc. = 2; x-interc. =
- 5/2
10. $y = x$
11. $y = x + 4$
12. $y = \frac{-3}{2}x + \frac{5}{2}$
13. $x = 10$ inches
14. 127 checks