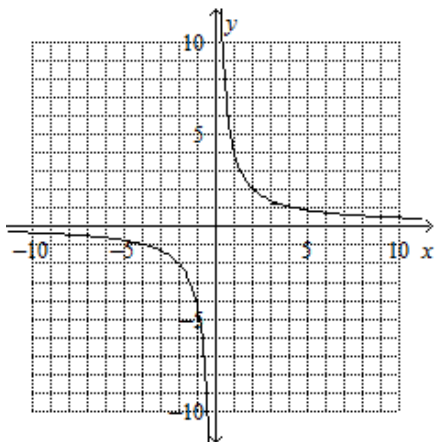


Chapter 8 Review – Graded Classwork 5-15-14 Answer Key

1. Direct variation; $y = -4x$
2. Neither
3. Neither
4. $y = \frac{80}{x}$
5. $nc = 72$; \$6
- 6.



7. $t + 4, t \neq 8$
8. $\frac{k-2}{k-5}; k \neq -1, k \neq 5$
9. $2(x - 1) - 1; x \neq -7, \text{ odd}$
10. $\frac{3g^3h^3}{100}, g \neq 0, h \neq 0$
11. $\frac{y^2+2y}{y+1}, y \neq 3, y \neq 0, y \neq -1$
12. $\frac{(a+2)(a-3)}{a+1}, a \neq 5, a \neq -1, a \neq 3$
13. $\frac{(x-4)^2}{(x+3)(x+1)}; x \neq -4, x \neq -3, x \neq -2, x \neq -1, x \neq 4$
14. $(x - 6)(x - 1)(x + 4)$
15. $\frac{4m-31}{(m-9)(m+9)}$
16. $\frac{a+12}{a-3}$
17. $\frac{n-13}{n-7}$
18. $\frac{4x}{3x^2+10x+3}$
19. $\frac{y-1}{(y-6)(y-2)}$
20. 62 ohms
21. $-\frac{19}{3}$
22. $\frac{17}{20}$
23. -9
24. -4
25. 15 mph downstream; 10 mph upstream
26. $\frac{1}{q} + \frac{1}{q+2} = \frac{7}{24}; 6 \text{ and } 8$